1-18-08 Letting, Item 060

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	1

+4
82

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

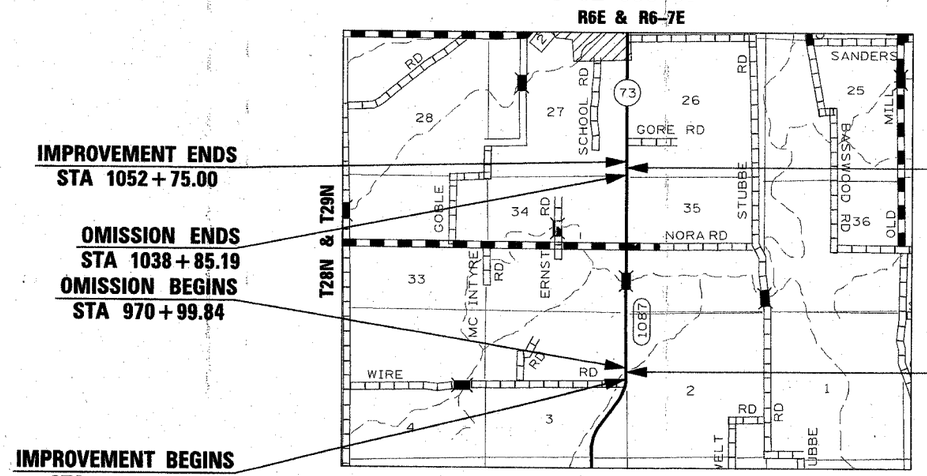
PROPOSED
HIGHWAY PLANS

FAS ROUTE 1087 (IL 73)
SECTION 106T-1
PROJECT ACRS-1087(107)
STEPHENSON COUNTY
CULVERT REPLACEMENT & HOT-MIX ASPHALT SHOULDER

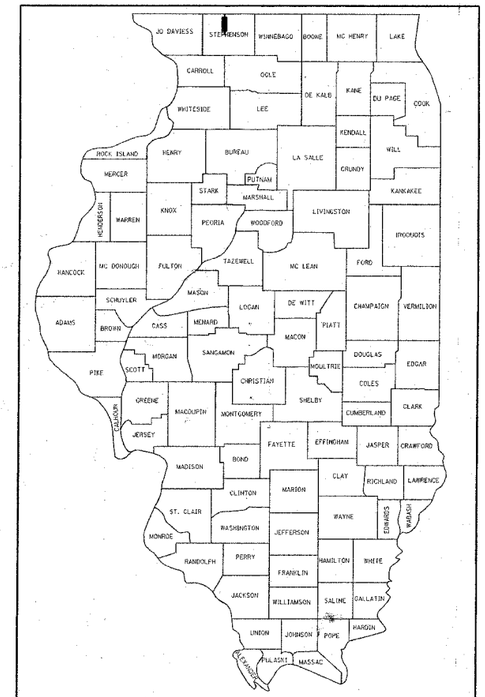
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION
175 (2028) – MAJOR COLLECTOR

C-92-088-07
R6E & R6-7E



D-92-018-07



LOCATION OF SECTION INDICATED THUS: –

PROJECT ENGINEER
MASOOD AHMAD

SQUAD LEADER
TRACI HELFICH
(815) 284-5932

GREGORY R. BRUMM
DLZ ILLINOIS, INC.
(847) 640-0840

100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

SN. 089-1023 WADDAMS TOWNSHIP, SECTION 2,3
SN. 089-1022 WINSLOW TOWNSHIP, SECTION 26, 27

CONTRACT NO. 64C84

GROSS LENGTH OF PROJECT = 2,284.65 LIN. FT. = 0.43 MI.
NET LENGTH = 2,284.65 LIN. FT. = 0.43 MI.

ROADWAY AND STRUCTURES DESIGNED BY

DLZ

WAYNE A. TRUEX
REGISTERED STRUCTURAL ENGINEER
081-005429
STATE OF ILLINOIS
SEAL

Wayne A. Truex
SIGNATURE

11-30-08
EXPIRES

STATE OF ILLINOIS
Gregory R. Brumm
049216
REGISTERED PROFESSIONAL ENGINEER
SEAL

Gregory R Brumm
SIGNATURE

11/30/07
EXPIRES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 10/5 2007
George E. Ryan
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
December 7, 2007
Eric E. Harm PE
Interim ENGINEER OF DESIGN AND ENVIRONMENT
December 7, 2007
Christine M. Reed PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STEPHENSON COUNTY SECTION 106T-1 ROUTE

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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GENERAL NOTES

SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.

THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL OF THE TYPE SPECIFIED.

THE FINAL TOP 100 MM (FOUR INCHES) OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS.

THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.

FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE INCLUDED IN THE COST OF THE SEEDING OR SODDING.

PREVIOUSLY PUGWILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.

PLACEMENT AND COMPACTION OF THE BACKFILL FOR PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE TO BE REMOVED SHALL CONFORM TO SECTION 502.10 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE MATERIAL SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICATIONS, AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. ANY MATERIAL CONFORMING TO THE REQUIREMENTS OF ARTICLE 1003.04 OR 1004.05 WHICH HAS BEEN EXCAVATED FROM THE TRENCHES SHALL BE USED FOR BACKFILLING THE TRENCHES. THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED SUBGRADE. THIS TRENCH BACKFILL MATERIAL WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CLASS OF CONCRETE INVOLVED OR OTHER UNIT PRICE ITEM OF THE WORK FOR WHICH IT IS REQUIRED.

CLOSED EXPANSION JOINTS ON JOINTED PAVEMENTS SHALL BE RE-ESTABLISHED DURING THE PATCHING OPERATIONS. CLASS B PATCHES - WHEN THE PAVEMENT REQUIRES PATCHING AT THE LOCATION OF THE EXPANSION JOINT, A NEW JOINT SHOULD BE ESTABLISHED USING A DOWELLED EXPANSION PATCH AS SHOWN ON HIGHWAY STANDARD 442101. WHEN THE JOINT IS CLOSED, BUT DOES NOT REQUIRE PATCHING, AN EXPANSION JOINT MAY BE FORMED BY SAWING THE PAVEMENT AND FILLING THE SAW CUT WITH A PREFORMED EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF SECTION 1051 OF THE STANDARD SPECIFICATIONS AS SHOWN ON STANDARD 420001.

ALL MANDATORY JOINT SEALING FOR CLASS A, CLASS B, AND CLASS B (HINGE JOINTED) PATCHES AS SHOWN ON THE PLANS WILL NOT BE MEASURED FOR PAYMENT.

FOR ALL CONCRETE PATCHING THAT WILL NOT BE RESURFACED, THE CONCRETE SHALL BE STRUCK OFF FLUSH WITH THE EXISTING PAVEMENT SURFACE AT EACH END OF THE PATCH.

OPTIONAL SAWING OF THE JOINT FOR THE SEALANT RESERVOIR WILL NOT BE MEASURED FOR PAYMENT.

THE ENGINEER RESERVES THE RIGHT TO CHECK ALL PATCHES FOR SMOOTHNESS BY THE USE OF A 10' ROLLING STRAIGHT EDGE SET TO A 3/16" TOLERANCE IN THE WHEEL PATHS. ANY PATCH AREAS HIGHER THAN 3/16" MUST BE GROUND SMOOTH WITH AN APPROVED GRINDING DEVICE CONSISTING OF MULTIPLE SAWS. THE USE OF BUSHHAMMER OR OTHER IMPACT DEVICES WILL NOT BE PERMITTED. ANY PATCH WITH DEPRESSIONS GREATER THAN 3/16" SHALL BE REPAIRED IN A MANNER APPROVED BY THE ENGINEER.

THE MANDATORY SAW CUTS FOR PAVEMENT PATCHING ARE:

CLASS A PATCH: CUT TWO TRANSVERSE SAW CUTS AT EACH END OF THE PATCH; ONE FULL DEPTH AND ONE PARTIAL DEPTH. THE LONGITUDINAL EDGES OF THE PATCH SHALL BE CUT FULL DEPTH. WHEN THE PATCH IS ADJACENT TO A PCC SHOULDER, TWO SAW CUTS ALONG THE SHOULDER WILL BE REQUIRED.

CLASS B PATCH: CUT TWO TRANSVERSE SAW CUTS OUTLINING THE PATCH AND ONE TRANSVERSE PRESSURE RELIEF SAW CUT. THE LONGITUDINAL EDGES OF THE PATCH SHALL BE CUT FULL DEPTH. WHEN THE PATCH IS ADJACENT TO A PCC SHOULDER, TWO SAW CUTS ALONG THE SHOULDER WILL BE REQUIRED.

THE MANDATORY SAW CUTS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METER (FOOT) FOR SAW CUTS.

THE MINIMUM PATCH DIMENSION FOR FULL-DEPTH PATCHES WILL BE AS SHOWN ON STATE STANDARD 442201.

THE EXISTING HOT-MIX ASPHALT ON PRIVATE AND COMMERCIAL ENTRANCES SHALL BE BLADED OFF OR MILLED AND DISPOSED OF OUTSIDE THE PROJECT LIMITS. THE COST OF THE BLADING, MILLING, ROLLING, AND DISPOSAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USES(S):	SURFACE	TOP SHOULDER	BOTTOM SHOULDER
PG:	PG 64-22	PG 58-22	PG 58-22
DESIGN AIR VOIDS	4.2 @ N50	3 @ N50	2 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 or 12.5	IL 9.5 or 12.5	BAM or IL 19.0
FRICTION AGGREGATE	MIX C	MIX C	N/A
20 YEAR ESAL	0.3	N/A	N/A

BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER METRIC TON (TON) FOR HOT-MIX ASPHALT SURFACE COURSE OF THE TYPE SPECIFIED.

THE NEW NUMBERS FOR THESE STRUCTURES WILL BE 089-1109 AT STA. 966+60 AND 089-1108 AT STA. 1044+62.

THE CONTRACTOR SHALL SUBMIT FOUR COPIES OF THE REQUIRED SHOP DRAWINGS FOR REVIEW AND APPROVAL TO THE BUREAU OF BRIDGES AND STRUCTURES, 2300 SOUTH DIRKSEN PARKWAY, SPRINGFIELD, IL 62764. AFTER APPROVAL OF INITIAL SUBMITTAL, THE CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS TO ERIC HARM, ENGINEER OF MATERIALS, 126 EAST ASH STREET, SPRINGFIELD, IL 62706, AND EIGHT (8) SETS OF SHOP DRAWINGS TO BE DISTRIBUTED TO:

DISTRICT 2 DISTRICT ENGINEER (1)
FABRICATOR (1)
CONTRACTOR (2)
RESIDENT ENGINEER (2)
DISTRICT 2 BUREAU OF MATERIALS (2)

THE REVIEW AND APPROVAL OF TEMPORARY SHEET PILING WILL REQUIRE 4 TO 6 WEEKS. THE CONTRACTOR SHALL SCHEDULE HIS WORK ACCORDINGLY.

CULVERT & BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

BOX CULVERTS THAT ARE STAGE CONSTRUCTED AND UNDERCUT BY MORE THAN 600 MM (2 FEET) SHALL HAVE LEAN CONCRETE PLACED ON THE ROCK FILL AT THE STAGE LINE. THE CONCRETE SHALL RETAIN THE ROCK FILL UNTIL THE SECOND STAGE ROCK FILL IS PLACED. THIS WORK WILL BE INCLUDED IN THE PAY ITEM FOR THE TYPE OF ROCK FILL USED.

A PRECAST BOX CULVERT IS NOT AN OPTION ON THE PROJECT DUE TO SOIL CONDITIONS.

THE CONTRACTOR SHALL REMOVE ALL ENTRANCE CULVERTS IN CONDITION FOR REUSE WHICH ARE NOT TO BE LEFT IN PLACE. THEY SHALL BE CLEANED AND STORED ALONG THE RIGHT OF WAY AS DIRECTED. IN NO CASE SHALL THEY BE ROUGHLY HANDLED OR SHOVED BY HEAVY MACHINERY. UNUSABLE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE. COST OF THE WORK TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE.

IF, DURING THE GRINDING OR RESURFACING OPERATIONS, THE EXISTING MAILBOXES BECOME A HINDRANCE, THE CONTRACTOR SHALL BE REQUIRED TO CAREFULLY REMOVE AND REINSTALL THE MAILBOXES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE INCIDENTAL HOT-MIX ASPHALT SURFACING.

WHERE FIELD TILE IS ENCOUNTERED, STORM SEWER OR PIPE DRAIN WILL BE USED IN ACCORDANCE WITH SECTION 611. THE MINIMUM SIZE FOR REPLACEMENT WILL BE 150 MM (6") FOR PIPE DRAINS AND 200 MM (8") FOR STORM SEWER, BUT THE SIZE MUST BE AT LEAST 50 MM (2") LARGER THAN THE ADJOINING TILE. A FIELD TILE JUNCTION VAULT WILL BE CONSTRUCTED AT THE RIGHT OF WAY TO CONNECT THE TILE AND STORM SEWER.

THE EXCAVATED MATERIALS FROM EARTH EXCAVATION WIDENING, GRADING AND SHAPING DITCHES, AND EXCAVATING AND GRADING SHOULDERS SHALL BE USED TO BUILD UP THE SHOULDER THROUGHOUT THE JOB TO CONFORM WITH THE TYPICAL SECTIONS AND SHOULDER WIDENING FOR TERMINALS AS SHOWN ON THE PLANS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF ILLINOIS DOT HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS

IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A. HORIZ.: N.A.
DATE : OCTOBER 1, 2007
DRAWN BY: DLZ
CHECKED BY: GB

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE I SPECIAL (TANGENT) OR STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE I SPECIAL (FLARED).

ONE 16D GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE I SPECIALS.

DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED.

DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:

1. ALL WORDS, SUCH AS ONLY, SHALL BE 2.4 M (8 FEET) HIGH.
2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 200 MM (8"), NOT 180 MM (7") AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.

PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1.6 KM (1 MILE) OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE. ESTIMATED: 2 EACH.

PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON HIGHWAY STANDARD 667101.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE SURVEY CREW.

AGGREGATE BASE COURSE, TYPE B, IS PROVIDED IN THE PLAN QUANTITIES AND SHALL BE USED ONLY AS NEEDED WHEN DIRECTED BY THE ENGINEER.

RIGHT-OF-WAY MARKERS WILL BE ERECTED WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE UNLESS THE NEW RIGHT-OF-WAY LINE HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT OF WAY MARKERS WILL BE ERECTED 300 MM (12 INCHES) INSIDE THE NEW RIGHT-OF-WAY LINE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

COMMONWEALTH EDISON COMPANY
VERIZON

THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED.

PER SB 699 (90 DAY UTILITY RELOCATION LAW), ONCE RIGHT-OF-WAY IS CLEAR TO AWARD THE PROJECT, A NOTICE WILL BE SENT TO THE UTILITY COMPANIES INSTRUCTING THEM TO HAVE THEIR FACILITIES RELOCATED WITHIN 90 DAYS. ESTIMATED DATE RELOCATION COMPLETE = LETTING DATE + 135 DAYS.

TIE BARS SHALL BE INSTALLED TO TIE PCC APPURTENANCE TO ADJACENT EXISTING CONCRETE PAVEMENT.

TIE THE FOLLOWING
TO THE EXISTING LENGTH, SIZE, AND
CONCRETE PAVEMENT SPACING OF TIE BARS

GUTTER OR CURB & GUTTER STD. 606001 600 MM (24") LONG NO. 20 (NO. 6) @
600 MM (24") CENTERS

PCC BASE COURSE STD. 353001 600 MM (24") LONG NO. 20 (NO. 6) @
750 MM (30") CENTERS

PCC PAVEMENT STD. 420101 600 MM (24") LONG NO. 20 (NO. 6) @
750 MM (30") CENTERS

TIE BARS TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF ARTICLE 420.10(B) OF THE STANDARD SPECIFICATIONS. SEE HIGHWAY STANDARD 420001 FOR DETAIL ON LONGITUDINAL CONSTRUCTION JOINT GROUTED IN PLACE TIE BAR. THE COST OF THE TIE BARS TO BE INCLUDED IN THE COST OF THE PCC APPURTENANCE ADJACENT TO THE EXISTING PAVEMENT.

CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.

TREE REPLACEMENT:

1. LAYOUT SHALL BE PERFORMED BY THE DISTRICT LANDSCAPE ARCHITECT.
2. MULCH SHALL BE HARDWOOD WOOD CHIPS, 5 FOOT WIDTH, 4 INCHES THICK WITH WEED BARRIER FABRIC.
3. PREDATOR PROTECTION: WITHIN SEVEN DAYS AFTER PLANTING THE 14 SWAMP WHITE OAK TREES TRUNKS SHALL BE WRAPPED FROM THE GROUND LINE TO A HEIGHT OF THREE FEET WITH A ONE-HALF INCH SQUARE MESH, GALVANIZED, STEEL WIRE WITH A MINIMUM GAUGE OF 19 (HARDWARE CLOTH) AT A DIAMETER OF 14 INCHES MEASURED FROM THE CENTER OF THE TRUNK WITH A FOUR INCH OVERLAP. THE SCREEN WIRE SHALL BE SECURED WITH A MINIMUM OF FOUR STEEL STAPLES (HOG RINGS).

THE EXISTING TRAFFIC BARRIER TERMINAL TYPE I, SPECIAL (TANGENT) SHALL BE TAKEN TO THE ELEROY MAINTENANCE YARD. CONTACT DAN TOBIN, FIELD ENGINEER, BY EMAIL Dan.Tobin@illinois.gov, PRIOR TO TRANSPORTING THE MATERIALS TO GET THE EXACT LOCATION. THE COST OF TRANSPORTING THE END SECTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR GUARDRAIL REMOVAL.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF ILLINOIS DOT HIGHWAY STANDARDS, GENERAL NOTES, COMMITMENTS

IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A.
HORIZ.: N.A.

DATE : OCTOBER 1, 2007

DRAWN BY: DLZ

CHECKED BY: GB

PLOT DATE = Thu Oct 04 13:58:05 2007
FILE NAME = c:\Documents and Settings\dossdl\Desktop\1218070EN.dgn
PLOT SCALE = 20.0000 / IN.
USER NAME = dossdl

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	116T-1	STEPHENSON	78	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	CODE #	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 80% FEDERAL 20% STATE ROADWAY I000-1A	80% FEDERAL 20% STATE BOX CULVERT Y007 S. N. 089-1108	80% FEDERAL 20% STATE BOX CULVERT X028-2A S. N. 089-1109
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	421	421		
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	310	310		
	20200100	EARTH EXCAVATION	CU YD	3793	3793		
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	160			160
	20400100	BORROW EXCAVATION	CU YD	1921	1921		
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	310			310
*	25000210	SEEDING, CLASS 2A	ACRE	1.50	1.50		
*	25000310	SEEDING, CLASS 4	ACRE	0.75	0.75		
■*	25000750	MOWING	ACRE	1.50	1.50		
*	25100115	MULCH, METHOD 2	ACRE	2.00	2.00		
*	25100630	EROSION CONTROL BLANKET	SQ YD	1128	1128		
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	582	582		
	28000300	TEMPORARY DITCH CHECKS	EACH	42	42		
	28000400	PERIMETER EROSION BARRIER	FOOT	623	623		
	28000500	INLET AND PIPE PROTECTION	EACH	5	5		
	28100107	STONE RIPRAP, CLASS A4	SQ YD	167		57	110
	28200200	FILTER FABRIC	SQ YD	167		57	110
	35100100	AGGREGATE BASE COURSE, TYPE A	TON	18	18		
	35101400	AGGREGATE BASE COURSE, TYPE B	TON	453	453		
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	286	286		
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	68	68		
	44200926	CLASS B PATCHES, TYPE IV, 7 INCH	SQ YD	264	264		
	44213100	PAVEMENT FABRIC	SQ YD	373	373		
	44213200	SAW CUTS	FOOT	300	300		
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	544	544		
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	1989	1989		
	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1			1
	50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1	
	50105200	REMOVE EXISTING CULVERTS	EACH	2	2		
	50800105	REINFORCEMENT BARS	POUND	77487			77487
	50800515	BAR SPLICERS	EACH	153			153
	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1780		960	820
	51500100	NAME PLATES	EACH	2		1	1
	54002020	EXPANSION BOLTS 3/4 INCH	EACH	12		12	
	54003000	CONCRETE BOX CULVERTS	CU YD	189.2			189.2
	542A1105	PIPE CULVERTS, CLASS A, TYPE 2 60"	FOOT	78		78	
	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	50	50		

■ 100% STATE N/P

* - INDICATES SPECIALTY ITEM

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A.
HORIZ.: 1:20

DATE : OCTOBER 1, 2007

DRAWN BY: DLZ

CHECKED BY: GB

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
108	116T-1	STEPHENSON	78	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	CODE #	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE 80% FEDERAL 20% STATE ROADWAY 1000-1A	80% FEDERAL 20% STATE BOX CULVERT Y007 S. N. 089-1108	80% FEDERAL 20% STATE BOX CULVERT X028-2A S. N. 089-1109
	542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	60	60		
	542D0241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	62	62		
	5421D048	PIPE CULVERTS, CLASS D, TYPE 1 48" (TEMPORARY)	FOOT	24		24	
	54213450	END SECTIONS 15"	EACH	2	2		
	54213453	END SECTIONS 18"	EACH	2	2		
	54213471	END SECTIONS 36"	EACH	2	2		
	54213495	END SECTIONS 60"	EACH	1		1	
	54248510	CONCRETE COLLAR	CU YD	0.6		0.6	
	61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	50	50		
*	63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	287.5	287.5		
*	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	4	4		
	63200310	GUARDRAIL REMOVAL	FOOT	319	319		
*	63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	75	75		
	63500105	DELINEATORS	EACH	12	12		
	66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	29	29		
	66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2		
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
	67100100	MOBILIZATION	L SUM	1	1		
	70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	2	2		
	70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
	70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4	4		
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2		
	70106700	TEMPORARY RUMBLE STRIP	EACH	12	12		
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	1	1		
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	12	12		
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4446	4446		
	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	60	60		
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1603	1603		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	662.5	662.5		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	462.5	462.5		
	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	18278	18278		
	78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16		
	78200530	BARRIER WALL MARKERS, TYPE C	EACH	36	36		
	78201000	TERMINAL MARKER-DIRECT APPLIED	EACH	4	4		
	78300500	PAINT PAVEMENT MARKING REMOVAL	SQ FT	1676	1676		

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
108	116T-1	STEPHENSON	78	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

	CODE #	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
					80% FEDERAL 20% STATE ROADWAY I000-1A	80% FEDERAL 20% STATE BOX CULVERT Y007 S. N. 089-1108	80% FEDERAL 20% STATE BOX CULVERT X028-2A S. N. 089-1109
*	A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	14	14		
*	C2001748	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HEIGHT, BALLED AND BURLAPPED	EACH	15	15		
	X0323660	DROP BOX NO. 1	EACH	1		1	
	XX004900	TURF REINFORCEMENT MAT	SQ YD	71	71		
	XX005138	CLASS B PATCHES (SPECIAL)	SQ YD	109	109		
	Z0005400	BREAKER-RUN CRUSHED STONE	TON	365			365
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
	Z0017200	DOWEL BARS 1 1/4"	EACH	20	20		
	Z0017202	DOWEL BARS 1 1/2"	EACH	19	19		
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	4	4		
	Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	1			1
	Z0075310	TIE BARS 3/4"	EACH	73	73		
	Z0075330	TIE BARS 1 1/4"	EACH	39	39		

* - INDICATES SPECIALTY ITEM

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	116T-1	STEPHENSON	78	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

20100200 TREE REMOVAL (6 TO 15 UNITS)

UNIT	LOCATION		
6	STA. 967+41.87	42.36'	LT
14	STA. 965+77.43	39.23'	RT
11	STA. 966+15.38	46.57'	RT
8	STA. 966+24.69	36.17'	RT
10	STA. 966+30.54	43.39'	RT
13	STA. 966+54.64	51.48'	RT
10	STA. 966+60.18	55.68'	RT
10	STA. 966+62.18	46.48'	RT
9	STA. 966+79.00	53.63'	RT
8	STA. 966+86.11	55.11'	RT
12	STA. 967+29.63	43.28'	RT
7	STA. 967+32.44	49.98'	RT
8	STA. 967+47.62	41.64'	RT
11	STA. 967+48.87	44.99'	RT
8	STA. 967+50.54	47.51'	RT
9	STA. 967+61.31	43.35'	RT
6	STA. 967+80.23	47.99'	RT
15	STA. 968+87.73	41.33'	RT
6	STA. 969+39.75	35.90'	RT
13	STA. 1044+80.00	46.67'	LT
8	STA. 1044+99.20	46.00'	LT
8	STA. 1045+07.81	51.21'	LT
13	STA. 1045+13.45	51.10'	LT
12	STA. 1045+23.97	46.18'	LT
14	STA. 1045+29.07	44.20'	LT
6	STA. 1045+34.89	44.60'	LT
11	STA. 1045+41.59	43.49'	LT
14	STA. 1045+59.10	48.48'	LT
10	STA. 1048+73.96	38.23'	LT
15	STA. 1048+84.77	37.92'	LT
7	STA. 1050+02.17	37.00'	LT
12	STA. 1050+07.42	36.90'	LT
8	STA. 1050+16.63	35.90'	LT
10	STA. 1050+32.53	35.00'	LT
11	STA. 1050+63.66	36.30'	LT
12	STA. 1050+75.82	36.41'	LT
8	STA. 1051+71.42	29.51'	LT
11	STA. 1051+75.81	30.15'	LT
12	STA. 1051+86.18	29.45'	LT
14	STA. 1051+94.39	38.70'	LT
11	STA. 1052+03.28	39.14'	LT
421	TOTAL		

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION		
42	STA. 965+86.59	36.97'	RT
22	STA. 967+61.43	37.49'	RT
38	STA. 969+08.90	36.59'	RT
26	STA. 969+23.79	34.70'	RT
17	STA. 1045+07.72	45.39'	LT
27	STA. 1045+28.53	52.26'	LT
47	STA. 1046+58.47	41.66'	LT
18	STA. 1046+95.63	38.31'	LT
40	STA. 1051+33.93	36.14'	LT
16	STA. 1051+55.39	42.22'	LT
17	STA. 1051+88.84	37.89'	LT
310	TOTAL		

25000210 SEEDING, CLASS 2A

ACRE	LOCATION				
0.10	STA. 962+00	TO	STA. 964+14	RT	
0.32	STA. 964+38	TO	STA. 969+88	RT	
0.20	STA. 964+45	TO	STA. 968+91	LT	
0.04	STA. 1038+85	TO	STA. 1040+99	RT	
0.02	STA. 1042+17	TO	STA. 1043+27	RT	
0.27	STA. 1043+39	TO	STA. 1046+54	RT	
0.14	STA. 1046+63	TO	STA. 1052+50	RT	
0.04	STA. 1042+50	TO	STA. 1043+50	LT	
0.36	STA. 1043+74	TO	STA. 1052+50	LT	
0.01	STA. 1044+48	TO	STA. 1044+76	LT	
1.50	TOTAL				

25000310 SEEDING, CLASS 4

ACRE	LOCATION				
0.02	STA. 962+00	TO	STA. 963+82	RT	
0.03	STA. 964+49	TO	STA. 966+00	LT	
0.04	STA. 964+61	TO	STA. 967+32	RT	
0.02	STA. 967+26	TO	STA. 969+75	RT	
0.03	STA. 965+92	TO	STA. 968+82	LT	
0.03	STA. 1042+50	TO	STA. 1043+30	LT	
0.02	STA. 1043+95	TO	STA. 1044+48	LT	
0.35	STA. 1044+76	TO	STA. 1052+50	LT	
0.21	STA. 1046+91	TO	STA. 1052+50	RT	
0.75	TOTAL				

25000750 MOWING

ACRE	LOCATION				
0.10	STA. 962+00	TO	STA. 964+14	RT	
0.32	STA. 964+38	TO	STA. 969+88	RT	
0.20	STA. 964+45	TO	STA. 968+91	LT	
0.04	STA. 1038+85	TO	STA. 1040+99	RT	
0.02	STA. 1042+17	TO	STA. 1043+27	RT	
0.27	STA. 1043+39	TO	STA. 1046+54	RT	
0.14	STA. 1046+63	TO	STA. 1052+50	RT	
0.04	STA. 1042+50	TO	STA. 1043+50	LT	
0.36	STA. 1043+74	TO	STA. 1052+50	LT	
0.01	STA. 1044+48	TO	STA. 1044+76	LT	
1.50	TOTAL				

25100115 MULCH, METHOD 2

ACRE	LOCATION				
0.10	STA. 962+00	TO	STA. 964+14	RT	
0.33	STA. 964+37	TO	STA. 969+88	RT	
0.01	STA. 967+26	TO	STA. 969+75	RT	
0.18	STA. 964+45	TO	STA. 968+91	LT	
0.03	STA. 965+92	TO	STA. 968+82	LT	
0.05	STA. 1038+85	TO	STA. 1040+99	RT	
0.03	STA. 1042+17	TO	STA. 1043+27	RT	
0.28	STA. 1043+39	TO	STA. 1046+54	RT	
0.30	STA. 1046+63	TO	STA. 1052+50	RT	
0.05	STA. 1042+50	TO	STA. 1043+50	LT	
0.33	STA. 1043+74	TO	STA. 1052+50	LT	
0.30	STA. 1044+76	TO	STA. 1052+00	LT	
2.00	TOTAL				

25100630 EROSION CONTROL BLANKET

SQ. YD.	LOCATION				
54	STA. 962+00				
70	STA. 964+61	TO	STA. 967+02	RT	
65	STA. 966+85	TO	STA. 967+40	RT	
59	STA. 967+25	TO	STA. 969+73	RT	
33	STA. 964+50	TO	STA. 966+02	LT	
75	STA. 965+86	TO	STA. 966+41	LT	
60	STA. 966+28	TO	STA. 968+82	LT	
120	STA. 1046+91	TO	STA. 1052+50	RT	
111	STA. 1052+00	TO	STA. 1052+50	RT	
31	STA. 1042+50	TO	STA. 1043+30	LT	
55	STA. 1042+50	TO	STA. 1043+00	LT	
29	STA. 1043+96	TO	STA. 1044+48	LT	
13	STA. 1044+48	TO	STA. 1044+76	LT	
206	STA. 1044+76	TO	STA. 1052+50	LT	
147	STA. 1052+00	TO	STA. 1052+50	LT	
1128	TOTAL				

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION 100 lbs/acre				
39	STA. 962+00	TO	STA. 964+14	RT	
129	STA. 964+38	TO	STA. 969+88	RT	
80	STA. 964+45	TO	STA. 968+91	LT	
9	STA. 1038+85	TO	STA. 1040+99	RT	
6	STA. 1042+17	TO	STA. 1043+27	RT	
55	STA. 1043+39	TO	STA. 1046+54	RT	
29	STA. 1046+63	TO	STA. 1052+50	RT	
9	STA. 1042+50	TO	STA. 1043+50	LT	
72	STA. 1043+74	TO	STA. 1052+50	LT	
1	STA. 1044+48	TO	STA. 1044+76	LT	
2	STA. 962+00	TO	STA. 963+82	RT	
6	STA. 964+49	TO	STA. 966+00	LT	
16	STA. 964+61	TO	STA. 967+32	RT	
5	STA. 967+26	TO	STA. 969+75	RT	
12	STA. 965+92	TO	STA. 968+82	LT	
4	STA. 1042+50	TO	STA. 1043+30	LT	
2	STA. 1043+95	TO	STA. 1044+48	LT	
66	STA. 1044+76	TO	STA. 1052+50	LT	
40	STA. 1046+91	TO	STA. 1052+50	RT	
582	TOTAL				

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION		
1	STA. 963+33		RT
1	STA. 963+76		RT
1	STA. 966+52		RT
1	STA. 967+03		RT
1	STA. 967+26		RT
1	STA. 967+94		RT
1	STA. 965+42		LT
1	STA. 966+00		LT
1	STA. 966+47		LT
1	STA. 967+70		LT
1	STA. 968+62		LT
1	STA. 1047+03		RT
1	STA. 1047+35		RT
1	STA. 1047+68		RT
1	STA. 1048+01		RT
1	STA. 1048+34		RT
1	STA. 1048+70		RT
1	STA. 1049+10		RT
1	STA. 1049+49		RT
1	STA. 1049+88		RT
1	STA. 1050+28		RT
1	STA. 1050+85		RT
1	STA. 1051+68		RT
1	STA. 1043+11		LT
1	STA. 1044+34		LT
1	STA. 1045+27		LT
1	STA. 1046+12		LT
1	STA. 1046+36		LT
1	STA. 1046+59		LT
1	STA. 1046+83		LT
1	STA. 1047+07		LT
1	STA. 1047+30		LT
1	STA. 1047+56		LT
1	STA. 1047+96		LT
1	STA. 1048+36		LT
1	STA. 1048+76		LT
1	STA. 1049+15		LT
1	STA. 1049+55		LT
1	STA. 1049+95		LT
1	STA. 1050+36		LT
1	STA. 1050+97		LT
1	STA. 1051+74		LT
42	TOTAL		

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION				
18	STA. 963+93	TO	STA 964+14	RT	
202	STA. 1043+30	TO	STA 1040+97	RT	
131	STA. 1044+66	TO	STA 1043+25	RT	
143	STA. 1046+92	TO	STA 1044+59	RT	
129	STA. 1044+66	TO	STA 1046+09	RT	
623	TOTAL				

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	
1	STA. 963+93	RT
1	STA. 1043+30	LT
1	STA. 1044+66	LT
1	STA. 1046+92	RT
1	STA. 1044+66	LT TEMPORARY PIPE
5	TOTAL	

28100107 STONE RIPRAP, CLASS A4

SQ YD	LOCATION	
55	STA. 966+60	RT (CULVERT)
55	STA. 966+60	LT (CULVERT)
57	STA. 1044+62	LT (CULVERT)
167	TOTAL	

28200200 FILTER FABRIC

SQ YD	LOCATION	
55	STA. 966+60	RT (CULVERT)
55	STA. 966+60	LT (CULVERT)
57	STA. 1044+62	LT (CULVERT)
167	TOTAL	

35100100 AGGREGATE BASE COURSE, TYPE A

TON	LOCATION ASSUMED 1" AVERAGE DEPTH			
10	STA. 964+45.9	TO	STA 968+87.6	LT
8	STA. 1042+65.5	TO	STA 1047+89.1	LT
18	TOTAL			

35101400 AGGREGATE BASE COURSE, TYPE B

TON	LOCATION		
56	STA. 964+25.7	RT	F.E.
86	STA. 1041+16.8	RT	C.E.
54	STA. 1042+00.0	RT	C.E.
61	STA. 1043+61.4	LT	F.E.
64	STA. 1043+30.8	RT	P.E.
72	STA. 1046+65.9	RT	F.E.
60	STA. 1041+34.3 TO STA. 1041+82.5	RT	AREA BETWEEN DRIVES
453	TOTAL		

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

TON	LOCATION				
18	STA. 966+20	TO	STA. 967+15	RT	4" PATCH
41	STA. 966+05	TO	STA. 967+05	LT	4" PATCH
9	STA. 1044+42	TO	STA. 1044+83	RT	4" PATCH
15	STA. 1044+42	TO	STA. 1044+83	LT	4" PATCH
90	STA. 962+05	TO	STA. 969+88	RT	2" SHOULDER
46	STA. 964+45	TO	STA. 968+91	LT	2" SHOULDER
5	STA. 1038+85	TO	STA. 1040+42	RT	2" SHOULDER
62	STA. 1041+48	TO	STA. 1048+70	LT	2" SHOULDER
286	TOTAL				

40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING

TON	LOCATION CALCULATED @ 2 1/2"		
26	STA. 1041+16.8	RT	C.E.
16	STA. 1042+00.0	RT	C.E.
26	STA. 1043+30.8	RT	P.E.
68	TOTAL		

44200926 CLASS B PATCHES, TYPE IV, 7 INCH

SQ YD	LOCATION				
182	STA. 966+05	TO	STA. 967+05	LT	
82	STA. 966+20	TO	STA. 967+15	RT	
264	TOTAL				

44213100 PAVEMENT FABRIC

SQ YD	LOCATION				
182	STA. 966+05	TO	STA. 967+05	LT	
81	STA. 966+20	TO	STA. 967+15	RT	
41	STA. 1044+42	TO	STA. 1044+83	RT	
69	STA. 1044+42	TO	STA. 1044+83	LT	
373	TOTAL				

44213200 SAW CUTS

FOOT	LOCATION				
95	STA. 966+20	TO	STA. 967+15	RT	
20	STA. 966+05	TO	STA. 967+05	LT	
41	STA. 1044+42	TO	STA. 1044+83	RT	
8	STA. 966+20	RT	TRANSVERSE		
8	STA. 967+15	RT	TRANSVERSE		
16	STA. 966+05	LT	TRANSVERSE		
16	STA. 967+05	LT	TRANSVERSE		
9	STA. 1044+42	RT	TRANSVERSE		
9	STA. 1044+83	RT	TRANSVERSE		
15	STA. 1044+42	LT	TRANSVERSE		
15	STA. 1044+83	LT	TRANSVERSE		
8	STA. 966+70	RT	PRESSURE RELIEF		
16	STA. 966+55	LT	PRESSURE RELIEF		
9	STA. 1044+62	RT	PRESSURE RELIEF		
15	STA. 1044+62	LT	PRESSURE RELIEF		
300	TOTAL				

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A. HORIZ.: 1:20

DATE : OCTOBER 1, 2007

DRAWN BY: DLZ

CHECKED BY: GB

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
108	116T-1	STEPHENSON	78	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

48101500 AGGREGATE SHOULDERS, TYPE B 6"

SQ YD	LOCATION			
21	STA. 1042+58.9	TO	STA. 1043+33.9	LT
354	STA. 1043+90.1	TO	STA. 1052+50	LT
169	STA. 1048+69.9	TO	STA. 1052+50	LT
544	TOTAL			

48203021 HOT-MIX ASPHALT SHOULDERS, 6"

SQ YD	LOCATION			
898	STA. 962+05	TO	STA. 969+88	RT
476	STA. 964+45	TO	STA. 968+91	LT
46	STA. 1038+85	TO	STA. 1040+42	RT
569	STA. 1041+48	TO	STA. 1048+70	RT
1989	TOTAL			

50105200 REMOVE EXISTING CULVERTS

EACH	LOCATION	
1	STA. 1043+61.4	LT
1	STA. 964+25.7	RT
2	TOTAL	

54002020 EXPANSION BOLTS 3/4 INCH

EACH	LOCATION	
12	STA. 1044+62	LT
12	TOTAL	

542A1105 PIPE CULVERTS, CLASS A, TYPE 2 60"

FOOT	LOCATION
78	STA. 1044+62 (CULVERT)
78	TOTAL

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"

FOOT	LOCATION
50	STA. 1046+65.9 RT
50	TOTAL

542D0223 PIPE CULVERTS, CLASS D, TYPE 1 18"

FOOT	LOCATION
60	STA. 1043+61.4 LT
60	TOTAL

542D0241 PIPE CULVERTS, CLASS D, TYPE 1 36"

FOOT	LOCATION
62	STA. 964+25.7 RT
62	TOTAL

5421D048 PIPE CULVERTS, CLASS D, TYPE 1 48" (TEMPORARY)

FOOT	LOCATION	
24	STA. 1044+62	LT
24	TOTAL	

54213450 END SECTIONS 15"

EACH	LOCATION
2	STA. 1046+65.9 RT
2	TOTAL

54213453 END SECTIONS 18"

EACH	LOCATION	
2	STA. 1043+61.4	LT
2	TOTAL	

54213471 END SECTIONS 36"

EACH	LOCATION
2	STA. 964+25.7 RT
2	TOTAL

54213495 END SECTIONS 60"

EACH	LOCATION
1	STA. 1044+62 RT (CULVERT)
1	TOTAL

54248510 CONCRETE COLLAR

CU YD	LOCATION	
0.6	STA. 1044+62	LT
0.6	TOTAL	

63000000 STEEL PLATE BEAM GUARD RAIL, TYPE A

FOOT	LOCATION			
237.5	STA. 965+30.3	TO	STA. 968+65.9	RT
50	STA. 965+27.0	TO	STA. 967+52.8	LT
287.5	TOTAL			

63100169 TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)

EACH	LOCATION	
1	STA. 965+27.0	LT
1	STA. 967+52.8	LT
1	STA. 965+30.3	RT
1	STA. 968+65.9	RT
4	TOTAL	

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION			
128	STA. 965+44.9	TO	STA. 967+48.8	LT
191	STA. 965+70.9	TO	STA. 967+61.6	RT
319	TOTAL			

63301210 REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A

FOOT	LOCATION			
75	STA. 965+44.9	TO	STA. 967+48.8	LT
75	TOTAL			

63500105 DELINEATORS

EACH	LOCATION	
4	STA. 966+60	LT & RT (CULVERT)
4	STA. 1044+62	LT & RT (CULVERT)
1	STA. 965+27	LT
1	STA. 967+52.8	LT
1	STA. 965+30.3	RT
1	STA. 968+65.9	RT
12	TOTAL	

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

EACH	LOCATION	
1	STA. 963+50	RT
1	STA. 964+00	RT
1	STA. 965+50	RT
1	STA. 966+50	RT
1	STA. 968+00	RT
1	STA. 969+00	RT
1	STA. 970+00	RT
1	STA. 964+53.71	LT
1	STA. 966+50	LT
1	STA. 967+00	LT
1	STA. 968+50	LT
1	STA. 969+00	LT
1	STA. 1040+50	RT
1	STA. 1040+85	RT
1	STA. 1043+00	RT
1	STA. 1043+20	RT
1	STA. 1043+80	RT
1	STA. 1044+65	RT
1	STA. 1046+50	RT
1	STA. 1048+00	RT
1	STA. 1049+00	RT
1	STA. 1052+00	RT
1	STA. 1052+75	RT
1	STA. 1043+00	LT
1	STA. 1043+35	LT
1	STA. 1046+00	LT
1	STA. 1047+50	LT
1	STA. 1051+50	LT
1	STA. 1052+75	LT
29	TOTAL	

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION
1	STA. 966+60 (CULVERT)
1	STA. 1044+62 (CULVERT)
2	TOTAL

70106500 TEMPORARY BRIDGE TRAFFIC SIGNALS

EACH	LOCATION
1	STA. 966+60 (CULVERT)
1	STA. 1044+62 (CULVERT)
2	TOTAL

70106700 TEMPORARY RUMBLE STRIP

EACH	LOCATION	
1	STA. 945+15.4	RT
1	STA. 950+15.4	RT
1	STA. 955+15.4	RT
1	STA. 977+99.8	LT
1	STA. 982+99.8	LT
1	STA. 987+99.8	LT
1	STA. 1032+90.0	RT
1	STA. 1027+90.0	RT
1	STA. 1022+90.0	RT
1	STA. 1055+66.9	LT
1	STA. 1060+66.9	LT
1	STA. 1065+66.9	LT
12	TOTAL	

70300100 SHORT-TERM PAVEMENT MARKING

FOOT	LOCATION 4 FOOT @ 40 FEET			
8	STA. 966+05.0	TO	STA. 967+05.0	YELLOW CENTERLINE
4	STA. 1044+42.0	TO	STA. 1044+83.0	YELLOW CENTERLINE
12	TOTAL			

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PLOT SCALE = $SCALE$
USER NAME = $USER$

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
108	116T-1	STEPHENSON	78	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

70300520 PAVEMENT MARKING TAPE, TYPE III 4"

FOOT	LOCATION					
746	STA. 962+15.4	TO	STA. 969+60.2	RT	WHITE EDGE LINE
736	STA. 1039+90.0	TO	STA. 1047+53.4	RT	WHITE EDGE LINE
698	STA. 962+15.4	TO	STA. 969+08.7	RT	WHITE EDGE LINE
155	STA. 962+75.4	TO	STA. 964+14.6	LT	WHITE EDGE LINE
685	STA. 964+35.5	TO	STA. 970+99.8	LT	WHITE EDGE LINE
704	STA. 1039+90.0	TO	STA. 1046+93.6	RT	WHITE EDGE LINE
722	STA. 1041+46.3	TO	STA. 1048+66.9	LT	WHITE EDGE LINE
4446	TOTAL				

70300570 PAVEMENT MARKING TAPE, TYPE III 24"

FOOT	LOCATION	
12	STA. 962+15.4	RT STOP BAR
12	STA. 970+99.8	LT STOP BAR
12	STA. 1039+90.0	RT STOP BAR
12	STA. 1048+66.9	LT STOP BAR
12	WIRE ROAD	STOP BAR
60	TOTAL	

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION				
249	STA. 962+15.4	TO	STA. 969+60.2	RT	WHITE EDGE LINE
245	STA. 1039+90.0	TO	STA. 1047+53.4	RT	WHITE EDGE LINE
233	STA. 962+15.4	TO	STA. 969+08.7	RT	WHITE EDGE LINE
52	STA. 962+75.4	TO	STA. 964+14.6	LT	WHITE EDGE LINE
228	STA. 964+35.5	TO	STA. 970+99.8	LT	WHITE EDGE LINE
235	STA. 1039+90.0	TO	STA. 1046+93.6	RT	WHITE EDGE LINE
241	STA. 1041+46.3	TO	STA. 1048+66.9	LT	WHITE EDGE LINE
24	STA. 962+15.4	RT	STOP BAR		
24	STA. 970+99.8	LT	STOP BAR		
24	STA. 1039+90.0	RT	STOP BAR		
24	STA. 1048+66.9	LT	STOP BAR		
24	WIRE ROAD		STOP BAR		
1603	TOTAL				

70400100 TEMPORARY CONCRETE BARRIER

FOOT	LOCATION			
262.5	STA. 965+42.8	TO	STA. 968+04.9	STAGE 1
200	STA. 1043+75.2	TO	STA. 1045+74.8	STAGE 1
100	STA. 965+15.4	TO	STA. 968+77.0	STAGE 2
100	STA. 1043+50.3	TO	STA. 1046+49.5	STAGE 2
662.5	TOTAL			

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT	LOCATION			
262.5	STA. 965+15.4	TO	STA. 968+77.0	STAGE 2
200	STA. 1043+50.3	TO	STA. 1046+49.5	STAGE 2
462.5	TOTAL			

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT	LOCATION 2 APPLICATIONS				
1790	STA. 962+05.0	TO	STA. 970+99.8	RT	WHITE EDGE LINE
1790	STA. 962+05.0	TO	STA. 970+99.8	LT	WHITE EDGE LINE
3579	STA. 962+05.0	TO	STA. 970+99.8		DOUBLE YELLOW CENTERLINE
2780	STA. 1038+85.2	TO	STA. 1052+75.0	RT	WHITE EDGE LINE
2780	STA. 1038+85.2	TO	STA. 1052+75.0	LT	WHITE EDGE LINE
5559	STA. 1038+85.2	TO	STA. 1052+75.0		DOUBLE YELLOW CENTERLINE
18278	TOTAL				

78200410 GUARDRAIL MARKERS, TYPE A

EACH	LOCATION				
4	STA. 965+27.0	TO	STA. 967+52.8	LT	SILVER
4	STA. 965+30.3	TO	STA. 968+65.9	RT	SILVER
8	STA. 965+44.9	TO	STA. 967+48.8	LT	SILVER
16	TOTAL				

78200530 BARRIER WALL MARKERS, TYPE C

EACH	LOCATION 2 @ 25 FEET				
12	STA. 965+92.5	TO	STA. 967+42.5	RT	SILVER
6	STA. 1044+37.5	TO	STA. 1045+12.5	RT	SILVER
12	STA. 965+90.0	TO	STA. 967+39.5	RT	SILVER
6	STA. 1044+37.5	TO	STA. 1045+12.5	RT	SILVER
36	TOTAL				

78201000 TERMINAL MARKER-DIRECT APPLIED

EACH	LOCATION	
1	STA. 965+27.0	LT
1	STA. 967+52.8	LT
1	STA. 965+30.3	RT
1	STA. 968+65.9	RT
4	TOTAL	

78300500 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION				
90	STA. 963+49.5	TO	STA. 966+20.0	RT	(W) EDGE LINE
82	STA. 967+15.0	TO	STA. 969+60.2	RT	(W) EDGE LINE
251	STA. 962+15.4	TO	STA. 965+92.5		DOUBLE (Y) CENTER LINE
238	STA. 967+42.5	TO	STA. 970+99.8		DOUBLE (Y) CENTER LINE
298	STA. 1039+90.0	TO	STA. 1044+37.5		DOUBLE (Y) CENTER LINE
236	STA. 1045+12.5	TO	STA. 1048+66.9		DOUBLE (Y) CENTER LINE
89	STA. 1041+74.5	TO	STA. 1044+42.0	RT	(W) EDGE LINE
80	STA. 1044+83.0	TO	STA. 1047+24.2	RT	(W) EDGE LINE
46	STA. 962+75.4	TO	STA. 964+14.6	LT	(W) EDGE LINE
27	STA. 964+35.5	TO	STA. 965+15.4	LT	(W) EDGE LINE
71	STA. 968+77.0	TO	STA. 970+89.8	LT	(W) EDGE LINE
99	STA. 1041+46.3	TO	STA. 1044+42.0	LT	(W) EDGE LINE
69	STA. 1046+49.5	TO	STA. 1048+56.9	LT	(W) EDGE LINE
1676	TOTAL				

XX004900 TURF REINFORCEMENT MAT

SQ YD	LOCATION	
71	STA. 1044+62	RT (CULVERT)
71	TOTAL	

XX005138 CLASS B PATCHES (SPECIAL)

SQ YD	LOCATION			
40	STA. 1044+42	TO	STA. 1044+83	RT
69	STA. 1044+42	TO	STA. 1044+83	LT
109	TOTAL			

Z0017200 DOWEL BARS 1 1/4"

EACH	LOCATION 1' C-C	
11	STA. 966+05	LT PATCH TRANSVERSE
2	STA. 967+05	LT PATCH TRANSVERSE
7	STA. 967+15	RT PATCH TRANSVERSE
20	TOTAL	

Z0017202 DOWEL BARS 1 1/2"

EACH	LOCATION 1' C-C	
2	STA. 1044+83	LT PATCH TRANSVERSE
10	STA. 1044+42	LT PATCH TRANSVERSE
7	STA. 1044+83	RT PATCH TRANSVERSE
19	TOTAL	

Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION	
1	STA. 965+42.9	STAGE 1
1	STA. 967+92.4	STAGE 1
1	STA. 1043+75.2	STAGE 1
1	STA. 1045+62.3	STAGE 1
4	TOTAL	

Z0030350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION	
1	STA. 965+15.4	STAGE 1 TO STAGE 2
1	STA. 967+89.8	STAGE 1 TO STAGE 2
1	STA. 1043+50.3	STAGE 1 TO STAGE 2
1	STA. 1045+87.1	STAGE 1 TO STAGE 2
4	TOTAL	

Z0075310 TIE BARS 3/4"

EACH	LOCATION 2' C-C		
5	STA. 967+05	TO	STA. 967+15
49	STA. 966+05	TO	STA. 967+05
19	STA. 1044+42	TO	STA. 1044+83
73	TOTAL		

Z0075330 TIE BARS 1 1/4"

EACH	LOCATION 1' C-C	
7	STA. 966+20	RT TRANSVERSE
2	STA. 966+05	LT TRANSVERSE
11	STA. 967+05	LT TRANSVERSE
2	STA. 1044+42	LT TRANSVERSE
7	STA. 1044+42	RT TRANSVERSE
10	STA. 1044+83	LT TRANSVERSE
39	TOTAL	

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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IL RTE 73 CULVERT REPLACEMENTS

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CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	116T-1	STEPHENSON	77	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

IL RTE 73 EARTHWORK

LOCATION	EXCAVATION			EMBANKMENT			EXCAVATION USED IN EMBANKMENT (ADJ FOR SHRINKAGE)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)		
STA. TO STA.	CU YD			CU YD			CU YD			CU YD		
	PRE-STAGE 1	STAGE 1	STAGE 2	PRE-STAGE 1	STAGE 1	STAGE 2	PRE-STAGE 1	STAGE 1	STAGE 2	PRE-STAGE 1	STAGE 1	STAGE 2
LOCATION 1												
962+00 TO 962+50	0	4	0	0	1	0	0	3	0	0	2	0
962+50 TO 963+00	0	7	0	0	8	0	0	6	0	0	-3	0
963+00 TO 963+50	0	7	0	0	27	0	0	6	0	0	-21	0
963+50 TO 964+00	0	6	0	0	79	0	0	4	0	0	-75	0
964+00 TO 964+50	0	5	9	0	119	1	0	3	7	0	-116	6
964+50 TO 965+00	0	18	21	0	104	5	0	13	16	0	-91	11
965+00 TO 965+50	0	23	24	0	101	18	0	17	18	0	-84	0
965+50 TO 966+00	0	27	17	0	104	35	0	20	13	0	-84	-23
966+00 TO 966+50	0	44	15	0	85	21	0	33	11	0	-53	-10
966+50 TO 967+00	0	27	22	0	47	35	0	20	17	0	-27	-19
967+00 TO 967+50	0	8	27	0	58	75	0	6	20	0	-52	-55
967+50 TO 968+00	0	11	21	0	109	56	0	8	16	0	-101	-40
968+00 TO 968+50	0	8	11	0	128	30	0	6	8	0	-122	-21
968+50 TO 969+00	0	8	5	0	110	14	0	6	3	0	-104	-10
969+00 TO 969+50	0	6	0	0	82	0	0	5	0	0	-78	0
969+50 TO 970+00	0	2	0	0	41	0	0	1	0	0	-39	0
TOTALS =	0	211	172	0	1204	289	0	158	129	0	-1045	-160
LOCATION 2												
1038+50 TO 1039+00	0	1	0	0	0	1	0	1	0	0	1	-1
1039+00 TO 1039+50	0	3	0	0	1	3	0	2	0	0	1	-3
1039+50 TO 1040+00	0	4	0	0	3	5	0	3	0	0	0	-5
1040+00 TO 1040+50	0	4	0	0	2	6	0	3	0	0	1	-6
1040+50 TO 1041+00	0	15	0	0	2	8	0	1	0	0	9	-8
1041+00 TO 1041+50	0	31	0	0	6	10	0	0	0	0	17	-10
1041+50 TO 1042+00	0	36	0	0	6	12	0	0	0	0	21	-12
1042+00 TO 1042+50	0	21	0	0	4	14	0	2	0	0	12	-14
1042+50 TO 1043+00	2	6	2	6	2	16	1	4	1	-5	2	-14
1043+00 TO 1043+50	65	6	21	6	6	18	49	4	16	42	-1	-2
1043+50 TO 1044+00	73	5	21	19	99	19	55	3	16	35	-96	-3
1044+00 TO 1044+50	17	4	4	68	236	21	13	3	3	-55	-233	-19
1044+50 TO 1045+00	13	4	6	78	302	23	10	3	5	-68	-299	-18
1045+00 TO 1045+50	19	4	29	55	285	25	14	3	22	-41	-282	-3
1045+50 TO 1046+00	15	5	56	48	182	27	11	3	42	-37	-179	15
1046+00 TO 1046+50	6	6	48	29	90	29	5	5	36	-24	-85	7
1046+50 TO 1047+00	4	12	36	6	41	31	3	9	27	-3	-32	-3
1047+00 TO 1047+50	0	24	32	0	10	32	0	18	24	0	8	-8
1047+50 TO 1048+00	0	41	40	0	3	34	0	31	30	0	28	-4
1048+00 TO 1048+50	0	53	78	0	2	36	0	40	58	0	38	22
1048+50 TO 1049+00	0	63	126	0	2	38	0	47	94	0	45	56
1049+00 TO 1049+50	0	86	186	0	1	40	0	65	140	0	64	100
1049+50 TO 1050+00	0	105	215	0	0	42	0	78	161	0	78	119
1050+00 TO 1050+50	0	88	224	0	0	44	0	66	168	0	66	125
1050+50 TO 1051+00	0	85	294	0	1	45	0	64	220	0	63	175
1051+00 TO 1051+50	0	107	354	0	1	47	0	81	265	0	80	218
1051+50 TO 1052+00	0	102	319	0	0	49	0	76	239	0	76	190
1052+00 TO 1052+50	0	47	139	0	0	51	0	35	104	0	35	53
1052+50 TO 1053+00	0	2	1	0	0	26	0	1	1	0	1	-25
TOTALS =	213	869	2230	315	1315	752	160	651	1672	-155	-663	920
LOC. 1 TOTALS =	0	211	172	0	1204	289	0	158	129	0	-1045	-160
LOC. 2 TOTALS =	213	967	2230	315	1285	752	160	651	1672	-155	-560	920
TOTALS =	213	1178	2402	315	2489	1041	160	810	1801	-155	-1606	761

NOTE:
A SHRINKAGE FACTOR OF 25% WAS USED FOR EARTH EXCAVATION ADJUSTMENT.

EARTHWORK SUMMARY

LOCATION	EARTH EXCAVATION			BORROW EXCAVATION		
	CU YD			CU YD		
	PRE-STAGE 1	STAGE 1	STAGE 2	PRE-STAGE 1	STAGE 1	STAGE 2
LOCATION 1	0	211	172	0	1045	160
LOCATION 2	213	967	2230	155	560	0
TOTALS	213	1178	2402	155	1606	160
	3793			1921		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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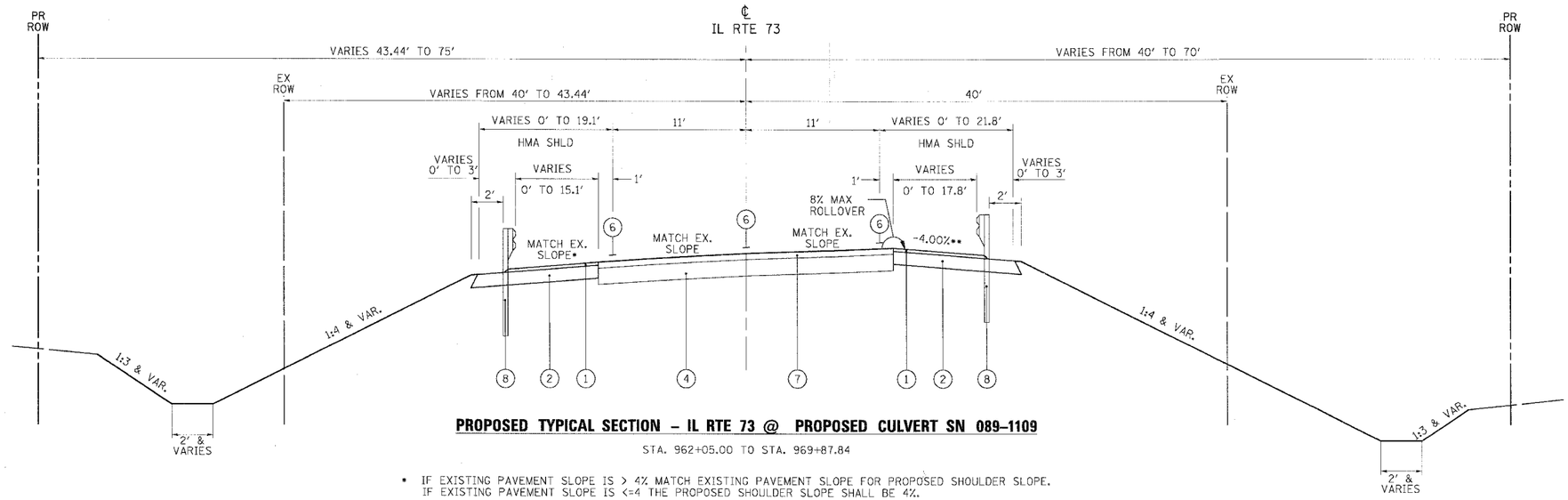
CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

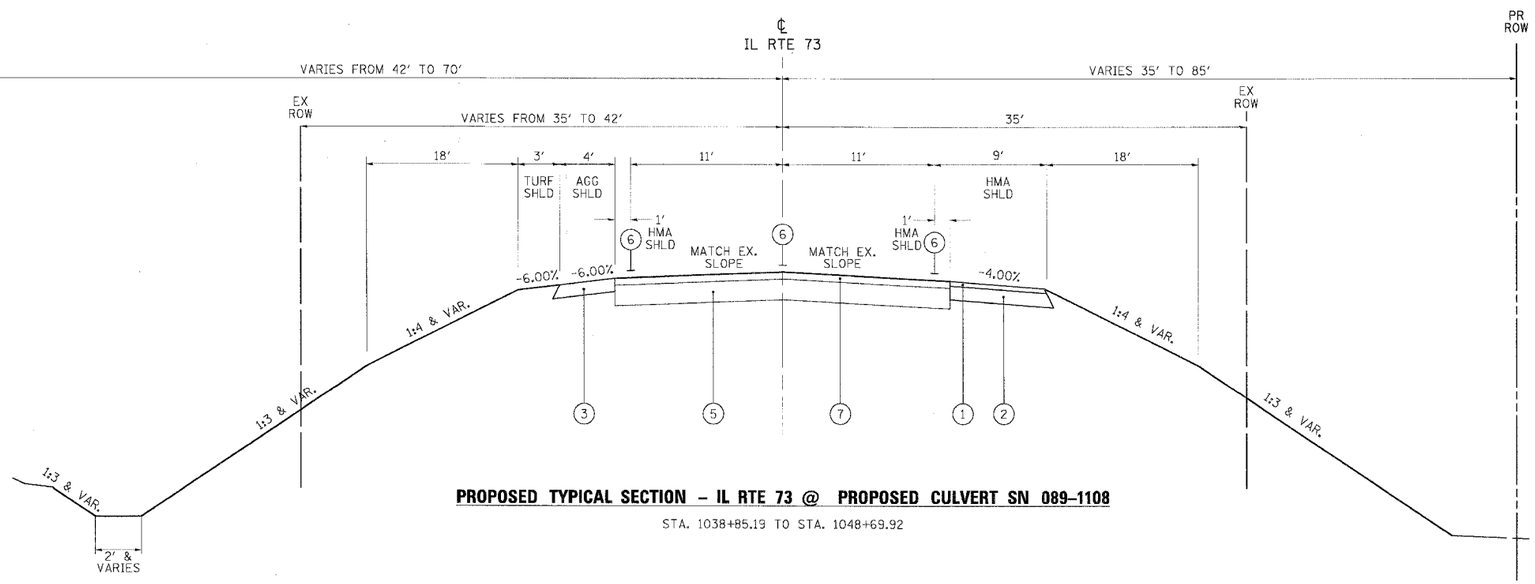


PROPOSED TYPICAL SECTION – IL RTE 73 @ PROPOSED CULVERT SN 089–1109

STA. 962+05.00 TO STA. 969+87.84

* IF EXISTING PAVEMENT SLOPE IS > 4% MATCH EXISTING PAVEMENT SLOPE FOR PROPOSED SHOULDER SLOPE. IF EXISTING PAVEMENT SLOPE IS <=4 THE PROPOSED SHOULDER SLOPE SHALL BE 4%.

** IF EXISTING PAVEMENT SLOPE IS <= 4% PROPOSED SHOULDER SLOPE SHALL BE 4%. IF EXISTING PAVEMENT SLOPE IS > 4% THE SHOULDER SLOPE SHALL BE LESSENED SO THAT A 8% MAX ROLLOVER IS MAINTAINED.



PROPOSED TYPICAL SECTION – IL RTE 73 @ PROPOSED CULVERT SN 089–1108

STA. 1038+85.19 TO STA. 1048+69.92

PROPOSED LEGEND

1. 2" HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50
2. HOT-MIX ASPHALT SHOULDER, 6"
3. AGGREGATE SHOULDERS, TYPE B
4. CLASS B PATCHES, TYPE IV, 7" (SEE NOTE 1)
5. CLASS B PATCHES (SPECIAL) - (SEE NOTE 1)
6. PAVEMENT MARKING
7. 4" HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50 APPLIED IN TWO LIFTS (SEE NOTE 1)
8. GUARDRAIL

NOTE:
1. SEE PLANS FOR ACTUAL PATCH LOCATIONS.
2. HMA MIXTURE WEIGHT = 112 LB/IN./SQ YD.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

IL RTE 73 CULVERT REPLACEMENTS

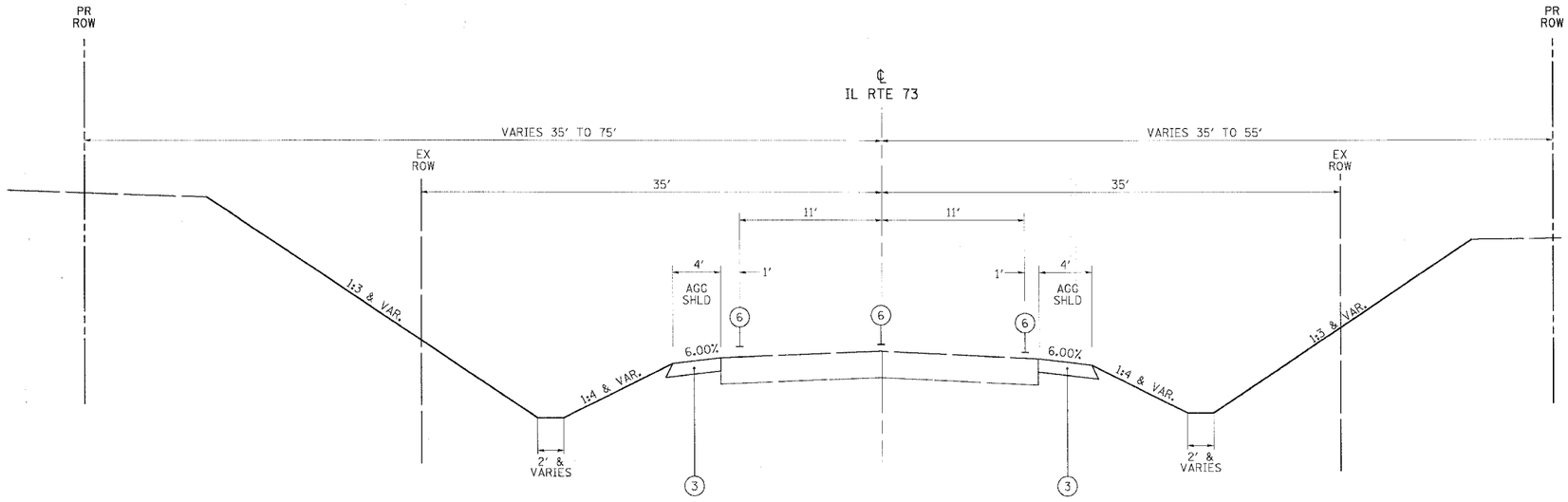
SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION – IL RTE 73 @ PROPOSED CULVERT SN 089-1108

STA. 1048+69.92 TO STA. 1052+50.00

PROPOSED LEGEND

1. 2" HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50
2. HOT-MIX ASPHALT SHOULDER, 6"
3. AGGREGATE SHOULDERS, TYPE B
4. CLASS B PATCHES, TYPE IV, 7"
5. CLASS B PATCHES (SPECIAL)
6. PAVEMENT MARKING
7. 4" HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70 APPLIED IN TWO LIFTS
8. GUARDRAIL

PLOT DATE = $DATE$
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USER NAME = $USER$

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A.
HORIZ.: 1:20

DATE : OCTOBER 1, 2007

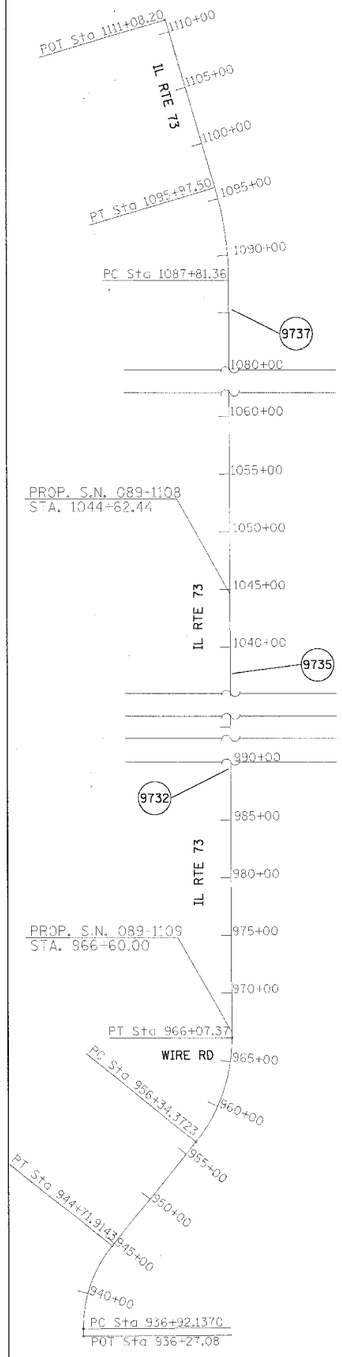
DRAWN BY: DLZ

CHECKED BY: GB

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL



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PLOT SCALE = $SCALE$
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Chain IL73ENG contains:
1 CUR 200 CUR 210 CUR 220 CUR 230
CUR 240 CUR 250 CUR 260 CUR 270
CUR 280 CUR 290 CUR 300 45

Beginning chain IL73ENG description
==========

Point 1 N 2,074,143.3623 E 2,388,001.8870 Sta 594+07.7500

COURSE FROM 1 TO PC 200 359° 10' 32.1362" DIST 4,456.9568'

Curve Data

Curve 260
P.I. Station 940+97.9074 N 2,105,458.9875 E 2,397,044.4750
DELTA = 39° 06' 47.4736" (RT)
DEGREE = 5° 00' 57.3956"
Tangent = 405.7704'
Length = 779.7773'
Radius = 1,142.2733'
External = 69.9304'
Long Chord = 764.7241'
Mid. Ord. = 65.8962'
S. E. = 0.000
P.C. Station 936+92.1370 N 2,105,053.2208 E 2,397,046.2212
P.T. Station 944+71.9143 N 2,105,774.9239 E 2,397,299.0998
C.C. N 2,105,058.1366 E 2,398,188.4839

COURSE FROM PT 260 TO PC 270 38° 51' 59.8109" DIST 1,162.4580'

Curve Data

Curve 270
P.I. Station 961+40.5539 N 2,107,074.1416 E 2,398,346.1869
DELTA = 38° 59' 18.5591" (LT)
DEGREE = 4° 00' 25.4325"
Tangent = 506.1816'
Length = 972.9938'
Radius = 1,429.8691'
External = 86.9517'
Long Chord = 954.3294'
Mid. Ord. = 81.9672'
S. E. = 0.000
P.C. Station 956+34.3723 N 2,106,680.0241 E 2,398,028.5532
P.T. Station 966+07.3661 N 2,107,580.3220 E 2,398,345.1102
C.C. N 2,107,577.2805 E 2,396,915.2443

COURSE FROM PT 270 TO PC 280 359° 52' 41.2519" DIST 12,173.9918'

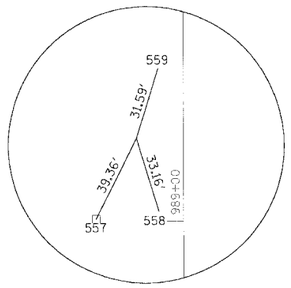
Curve Data

Curve 280
P.I. Station 1091+92.2397 N 2,120,165.1672 E 2,398,318.3408
DELTA = 16° 24' 25.3425" (LT)
DEGREE = 2° 00' 37.1525"
Tangent = 410.8819'
Length = 816.1406'
Radius = 2,850.0823'
External = 29.4651'
Long Chord = 813.3550'
Mid. Ord. = 29.1636'
S. E. = 0.000
P.C. Station 1087+81.3579 N 2,119,754.2863 E 2,398,319.2148
P.T. Station 1095+97.4985 N 2,120,559.0699 E 2,398,201.4452
C.C. N 2,119,748.2238 E 2,395,469.1389

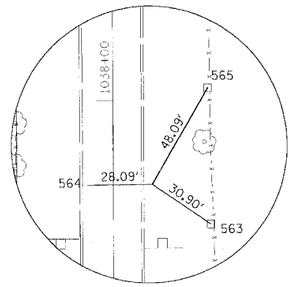
COURSE FROM PT 280 TO PC 290 343° 28' 15.9094" DIST 1,824.3762'

Point 45 N 2,127,007.6214 E 2,394,901.2844 Sta 1170+46.6532

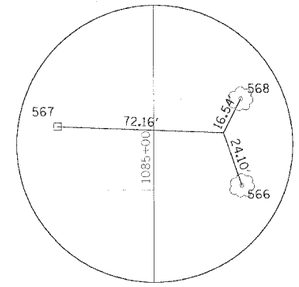
==========
Ending chain IL73ENG description



HORIZONTAL CONTROL
POINT No. 9732



HORIZONTAL CONTROL
POINT No. 9735



HORIZONTAL CONTROL
POINT No. 9737

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
9732	2109909.1997	2398319.7002	838.7229	IL73ENG	989+36.29	-20.4561'	PHOTO CONTROL H. & V.
9735	2114736.6372	2398346.8729	874.2019	IL73ENG	1037+63.66	16.9850'	PHOTO CONTROL H. & V.
9737	2119497.6302	2398350.1077	886.5899	IL73ENG	1085+24.64	30.3469'	PHOTO CONTROL H. & V.

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
427	2105218.1988	2397017.2766	847.1319	IL73ENG	938+52.20	39.8208' LT	R.O.W. MARKER
430	2107386.1497	2398120.4250	794.8269	IL73ENG	963+79.43	209.6268' LT	HEADWALL
432	2109867.8192	2398322.6120	835.7959	IL73ENG	988+94.91	17.6324' LT	FIELD ENTRANCE
434	2112697.4455	2398295.7772	799.6639	IL73ENG	1017+24.58	38.4482' LT	HEADWALL
435	2114662.7884	2398372.7608	885.9929	IL73ENG	1036+89.76	42.7157' RT	R.O.W. MARKER
437	2119089.1226	2398299.9789	884.1259	IL73ENG	1081+16.24	20.6507' LT	HEADWALL
439	2121253.0008	2397977.5280	783.9349	IL73ENG	1103+26.46	17.2414' LT	HANDRAIL
440	2122040.7626	2397783.6962	781.3849	IL73ENG	1111+36.81	21.0543' RT	WALL

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
108	2105472.9464	2397083.9970	832.2399	IL73ENG	941+07.44	37.5396' LT	SURVEY POINT
109	2107402.0914	2398356.4901	797.1049	IL73ENG	964+31.37	21.9851' RT	SURVEY POINT
110	2112688.7922	2398302.2327	800.4349	IL73ENG	1017+15.92	32.0111' LT	SURVEY POINT
111	2120618.9140	2398221.7445	805.7139	IL73ENG	1096+49.09	36.486' RT	SURVEY POINT
112	2122559.6430	2397598.1528	786.5569	IL73ENG	1116+83.42	25.4889' RT	SURVEY POINT

REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
557	IL73ENG	989+01.10	38.0696' LT	FENCE POST
558	IL73ENG	989+04.58	10.7644' LT	EDGE OF PAVEMENT
559	IL73ENG	989+66.42	10.9668' LT	EDGE OF PAVEMENT
563	IL73ENG	1037+46.12	42.4296' RT	FENCE POST
564	IL73ENG	1037+63.38	11.1003' LT	EDGE OF PAVEMENT
565	IL73ENG	1038+05.24	41.1535' RT	FENCE POST
566	IL73ENG	1085+01.88	38.2658' RT	DECIDUOUS TREE
567	IL73ENG	1085+27.63	41.7549' LT	FENCE POST
568	IL73ENG	1085+39.39	37.8357' RT	DECIDUOUS TREE

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL

IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

HORIZONTAL & VERTICAL CONTROL

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	14
STA. 959+00		TO STA. 965+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEGEND

- RIP RAP CL A4
- PROPOSED DITCH FLOWLINE
- EXISTING DITCH FLOWLINE
- EXISTING OVERLAND FLOW
- CONSTRUCTION LIMITS
- TREE REMOVAL

WILLIAM A. & STACY KEARNEY

WIRE ROAD

DIANE LOUDERBACK
005/10A

964+53.71
50.00' LT

BEGIN IMPROVEMENT
STA. 962+05.00

HMA SC "C" N50, 2"
HMA SHOULDERS 6"

MATCH LINE STA. 965+00

IL RTE 73

EX. ROW

PR. ROW

963+50.00
40.00' RT

964+00.00
60.00' RT

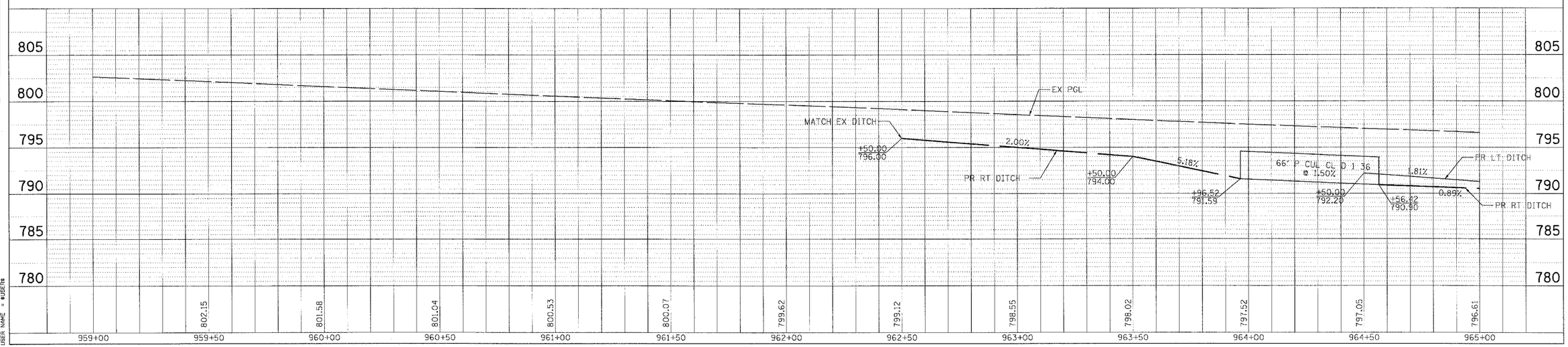
AGG BASE CSE B, 8"

REM EXIST CULVERTS, 1 EACH

P CUL CL D 1 36, 62 LF
END SECTIONS 36, 2 EACH

ERNEST H. & CATHY J. STABENOW
006/10A

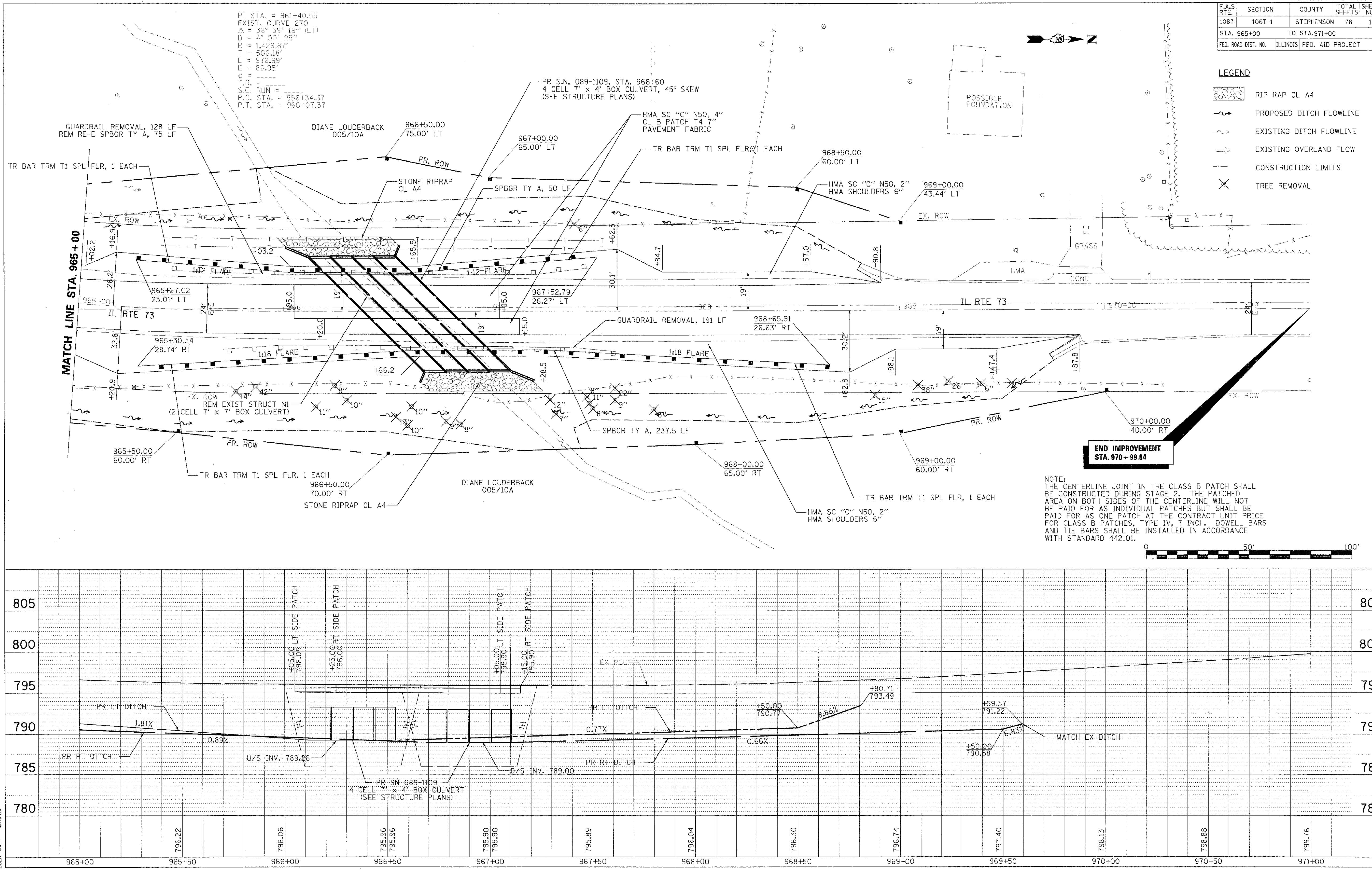
0 50' 100'



PLAN & PROFILE
PROPOSED SN 089–1109

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	15
STA. 965+00	TO STA. 971+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

- RIP RAP CL A4
- PROPOSED DITCH FLOWLINE
- EXISTING DITCH FLOWLINE
- EXISTING OVERLAND FLOW
- CONSTRUCTION LIMITS
- TREE REMOVAL

NOTE:
THE CENTERLINE JOINT IN THE CLASS B PATCH SHALL BE CONSTRUCTED DURING STAGE 2. THE PATCHED AREA ON BOTH SIDES OF THE CENTERLINE WILL NOT BE PAID FOR AS INDIVIDUAL PATCHES BUT SHALL BE PAID FOR AS ONE PATCH AT THE CONTRACT UNIT PRICE FOR CLASS B PATCHES, TYPE IV, 7 INCH. DOWELL BARS AND TIE BARS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 442101.

PLAN & PROFILE
PROPOSED SN 089–1109

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	16
STA. 1036+00		TO STA. 1042+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
DATE
PROJECT CIRCLED
RT. OF WAY CHECKED
ELEV. NOTED
STRUCTURE NOTATING OKAY

PRC YC
SURVEYED
PLOTTED
CHECKED
ELEV. NOTED
NOTE BOOK
NO.
DATE
STRUCTURE NOTATING OKAY

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

N

BEGIN IMPROVEMENT STA. 1038+85.19

MONNA M. & GEORGE M. SKIPPY
002/7A

EX. ROW

HMA SC "C" N50, 2"
HMA SHOULDERS 6"

IL RTE 73

AGG BASE CSE B, 8"

INCIDENTAL HMA SURF, 2"
AGG BASE CSE B, 8"

EX. ROW

PR. ROW

1040+50.00
35.00' RT

1040+85.00
45.00' RT

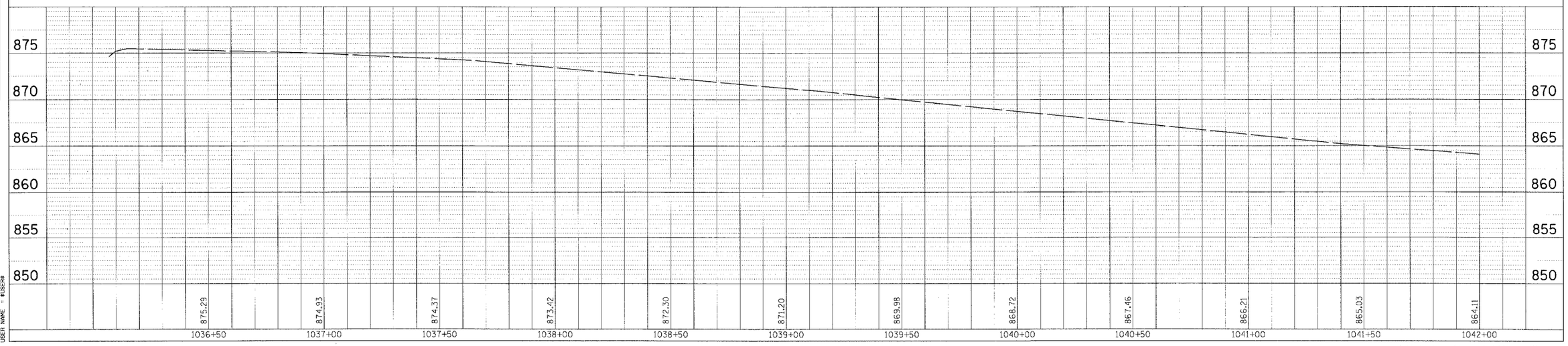
T & H LIVESTOCK INC.
003/7A

MATCH LINE STA. 1042+00

LEGEND

- TURF REINF MAT
- RIP RAP CL A4
- PROPOSED DITCH FLOWLINE
- EXISTING DITCH FLOWLINE
- EXISTING OVERLAND FLOW
- CONSTRUCTION LIMITS
- TREE REMOVAL

0 50' 100'



PLAN & PROFILE
PROPOSED SN 089–1108

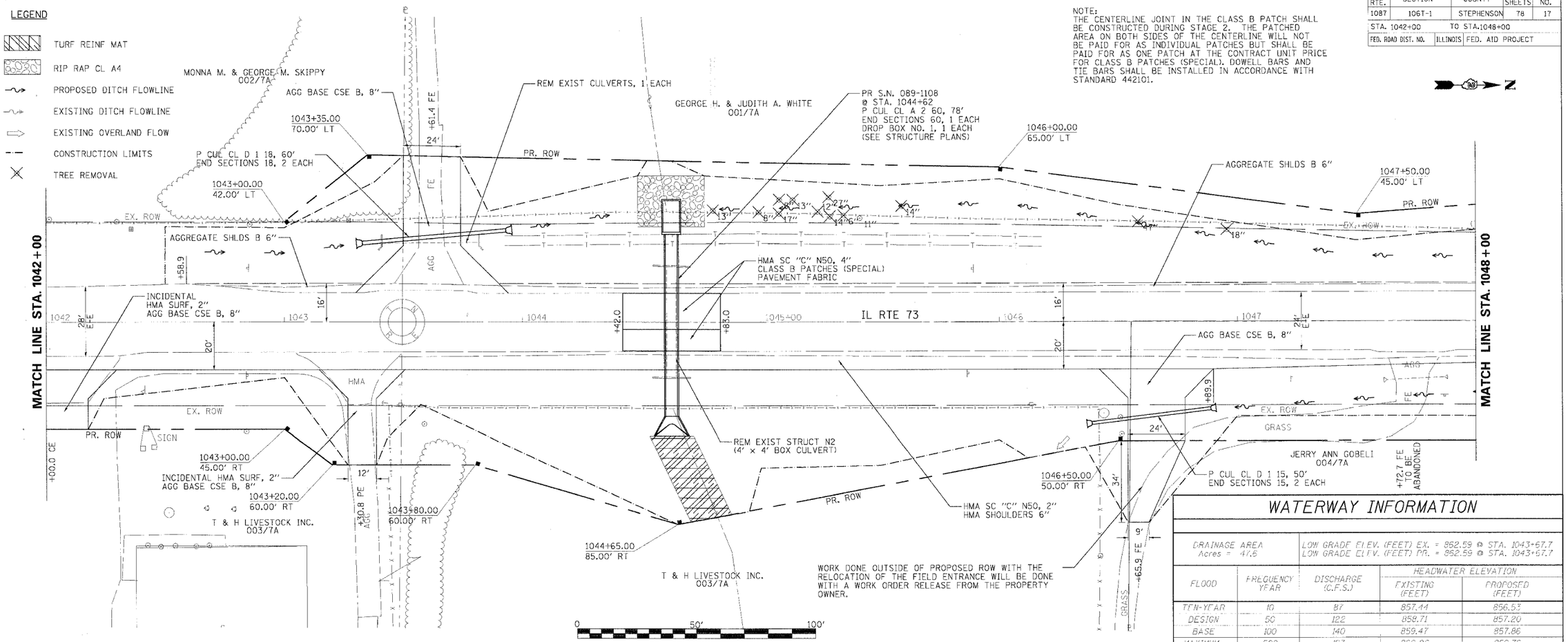
CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	17
STA. 1042+00		TO STA. 1048+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEGEND

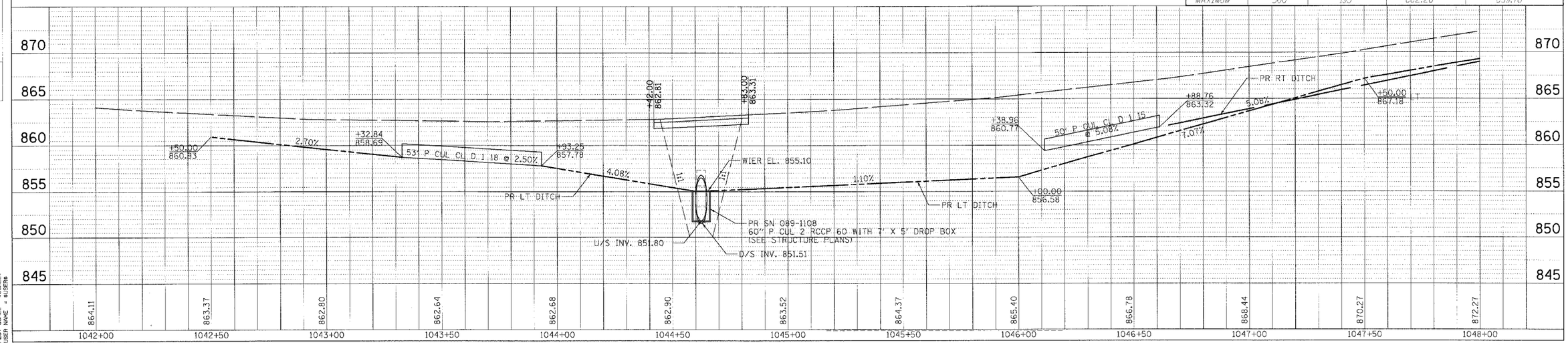
- TURF REINF MAT
- RIP RAP CL A4
- PROPOSED DITCH FLOWLINE
- EXISTING DITCH FLOWLINE
- EXISTING OVERLAND FLOW
- CONSTRUCTION LIMITS
- TREE REMOVAL

NOTE:
THE CENTERLINE JOINT IN THE CLASS B PATCH SHALL BE CONSTRUCTED DURING STAGE 2. THE PATCHED AREA ON BOTH SIDES OF THE CENTERLINE WILL NOT BE PAID FOR AS INDIVIDUAL PATCHES BUT SHALL BE PAID FOR AS ONE PATCH AT THE CONTRACT UNIT PRICE FOR CLASS B PATCHES (SPECIAL). DOWELL BARS AND TIE BARS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 442101.



WATERWAY INFORMATION

DRAINAGE AREA Acres = 47.8	LOW GRADE ELEV. (FEET) EX. = 862.59 @ STA. 1043+67.7 LOW GRADE ELEV. (FEET) PR. = 862.59 @ STA. 1043+67.7			
FLOOD	FREQUENCY YEAR	DISCHARGE (C.F.S.)	HEADWATER ELEVATION EXISTING (FEET)	HEADWATER ELEVATION PROPOSED (FEET)
TEN-YEAR	10	87	857.44	856.53
DESIGN	50	122	858.71	857.20
BASE	100	140	859.47	857.86
MAXIMUM	500	193	862.26	859.76



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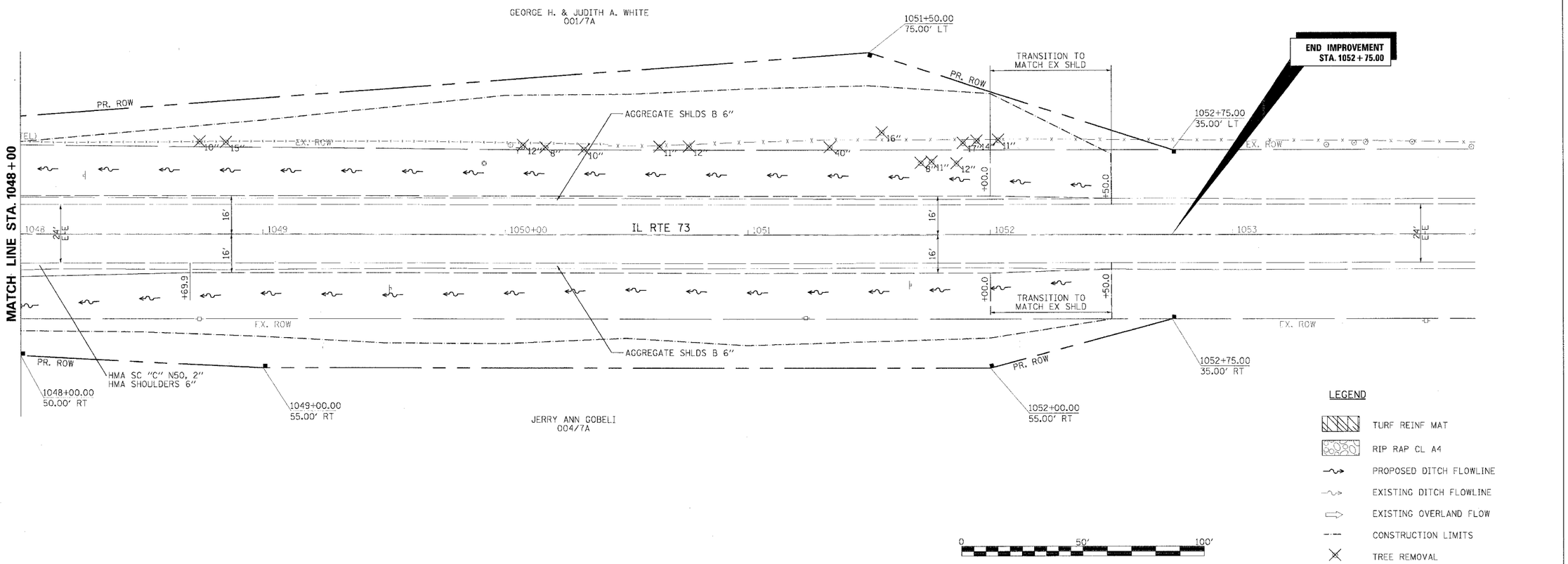
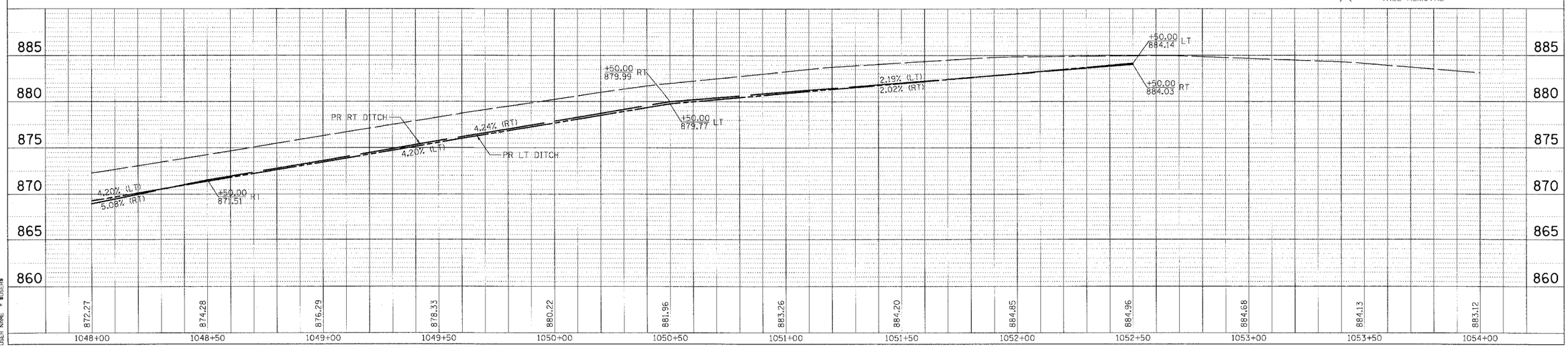
USER NAME = #USER#

PLAN & PROFILE
PROPOSED SN 089-1108

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	18
STA. 1048+00		TO STA.1054+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





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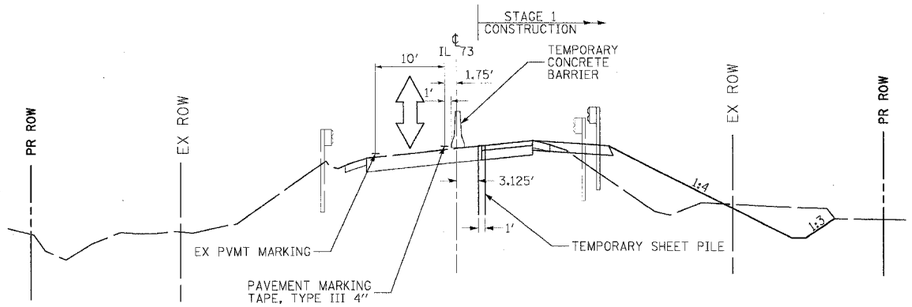
PLAN & PROFILE
PROPOSED SN 089-1108

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	19
STA. 959+00		TO STA. 963+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGE 1 TYPICAL SECTION

STAGE 1 CONSTRUCTION
-BUILD UP EXISTING LEFT SHOULDER
-CONSTRUCT TEMPORARY SHEET PILING
-CONSTRUCT DOWNTREAM END OF PROPOSED BOX CULVERT
-CONSTRUCT PATCH OVER BOX CULVERT
-CONSTRUCT HMA SHOULDER ON RIGHT SIDE
-CONSTRUCT GUARDRAIL ON RIGHT SIDE
-CONSTRUCT TEMPORARY PAVEMENT MARKINGS
-CONSTRUCT FIELD ENTRANCE

STAGE 1 TRAFFIC
USE STANDARD 701306 TO BUILD UP LEFT SHOULDER WITH AGGREGATE BASE COURSE, TYPE A BEFORE USING STANDARD 701321.

USE STANDARD 701321, LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER FOR MAINTENANCE OF TRAFFIC FOR STAGE 2.

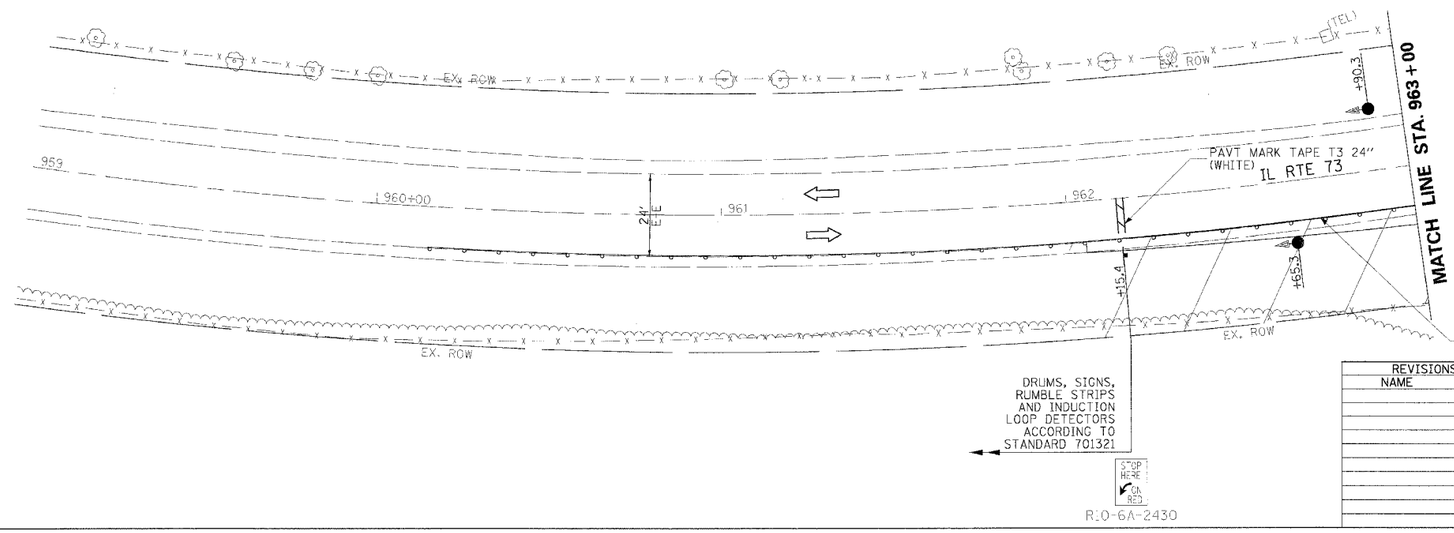
USE STANDARD 701311, LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY FOR PLACING PAVEMENT MARKINGS.

USE STANDARD 701306 AND 701326 AS NEEDED FOR CONSTRUCTION OF SHOULDERS.

USE STANDARDS 701001, 701006, 701011, AND 701311 AS NEEDED.

STAGE 1 NOTES
THE LOOP DETECTORS REQUIRED FOR WIRE RD SHALL BE HEAVY DUTY REINFORCED RUBBER CONDUIT DETECTOR LOOPS INSTALLED AS SHOWN ON STANDARD 701321.

LEGEND
- DRUMS (PER STD. 701321)
- DOUBLE VERTICAL PANELS (25' C-C)
- TRAFFIC SIGNAL
- DIRECTION OF TRAFFIC
- INDUCTION LOOP DETECTOR
- TYPE III BARRICADE
- WORK ZONE



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 1 - SN 089-1109

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

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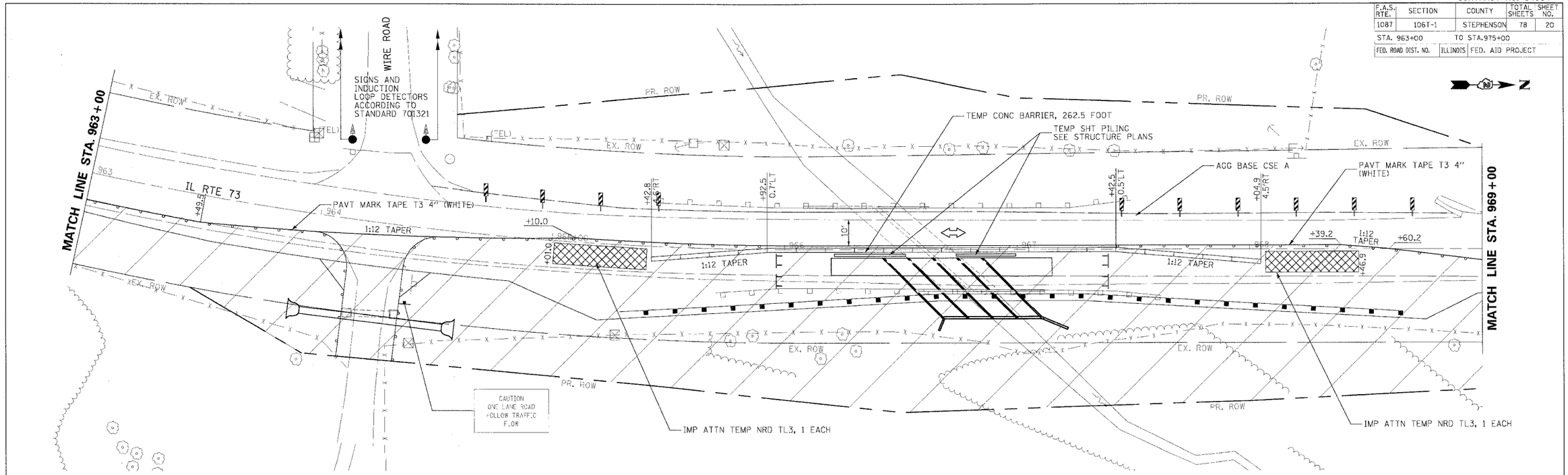
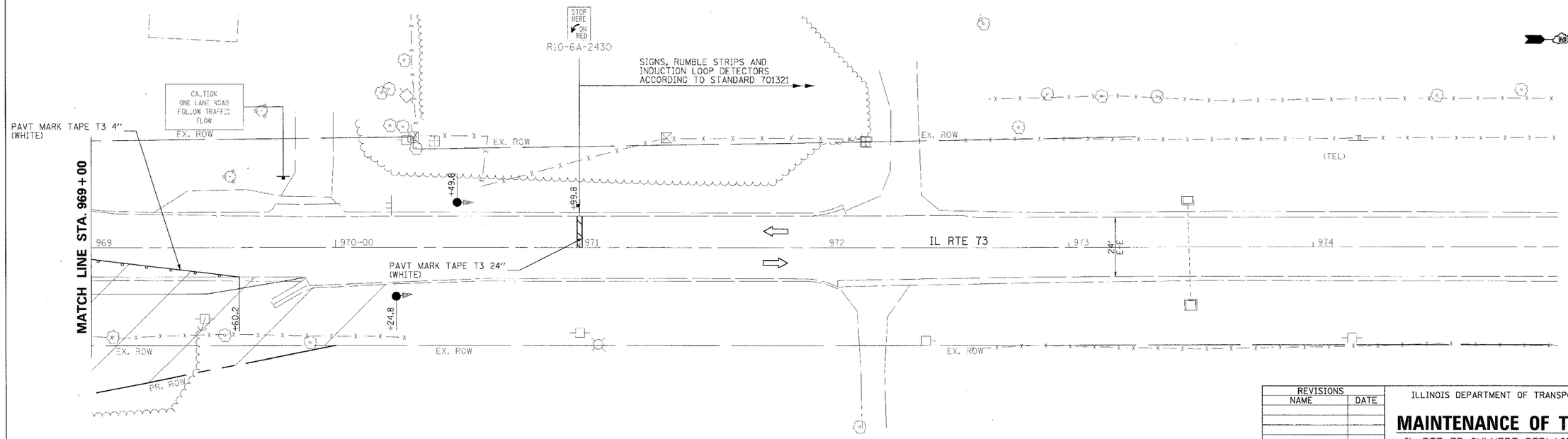
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	20
STA. 963+00	TO STA.975+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 1 - SN 089-1109

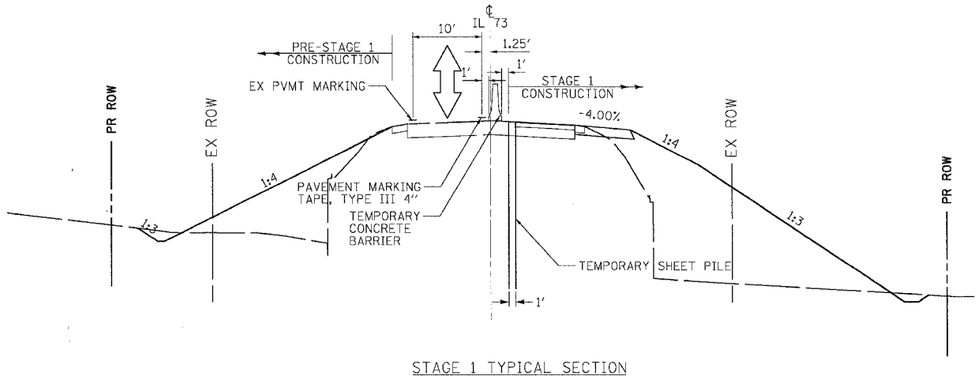
SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	21
STA. 959+00	TO STA. 963+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGE 1 TYPICAL SECTION

PRE-STAGE 1 CONSTRUCTION
-EXTEND UPSTREAM END OF EXISTING CULVERT
-BUILD UP EXISTING LEFT SHOULDER

PRE-STAGE 1 TRAFFIC
USE STANDARD 701306 TO BUILD UP LEFT SHOULDER WITH AGGREGATE BASE COURSE, TYPE A PRIOR TO USING STANDARD 701321

USE STANDARD 701306 TO EXTEND UPSTREAM END OF EXISTING CULVERT.

PRE-STAGE 1 NOTES
SEE CROSS SECTIONS FOR TEMPORARY DITCH GRADEING.

THE F.E. AT STA. 1043+61.4 SHALL BE RECONSTRUCTED DURING STAGE 2 WITHIN 1 WEEK OF BEING REMOVED. IF PROPERTY OWNER REQUIRES ACCESS WITHIN THE WEEK THE ENTRANCE IS REMOVED, THE CONTRACTOR SHALL CONSTRUCT A TEMPORARY ACCESS TO THE PROPERTY, TO THE SATISFACTION OF THE ENGINEER. THE COST OF THE TEMPORARY ACCESS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701306.

STAGE 1 CONSTRUCTION
-CONSTRUCT TEMPORARY SHEET PILING
-CONSTRUCT DOWNTREAM END OF PROPOSED 60" PIPE CULVERT
-CONSTRUCT PATCH OVER PIPE CULVERT
-CONSTRUCT HMA SHOULDER ON RIGHT SIDE
-CONSTRUCT AGGREGATE SHOULDER ON RIGHT SIDE
-CONSTRUCT TEMPORARY PAVEMENT MARKINGS
-CONSTRUCT ENTRANCES ON RIGHT SIDE
-CONSTRUCT TEMPORARY PAVEMENT MARKINGS

STAGE 1 TRAFFIC
USE STANDARD 701321, LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER FOR SETTING UP MAINTENANCE OF TRAFFIC FOR STAGE 2.

USE STANDARD 701311, LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY FOR PLACING PAVEMENT MARKINGS.

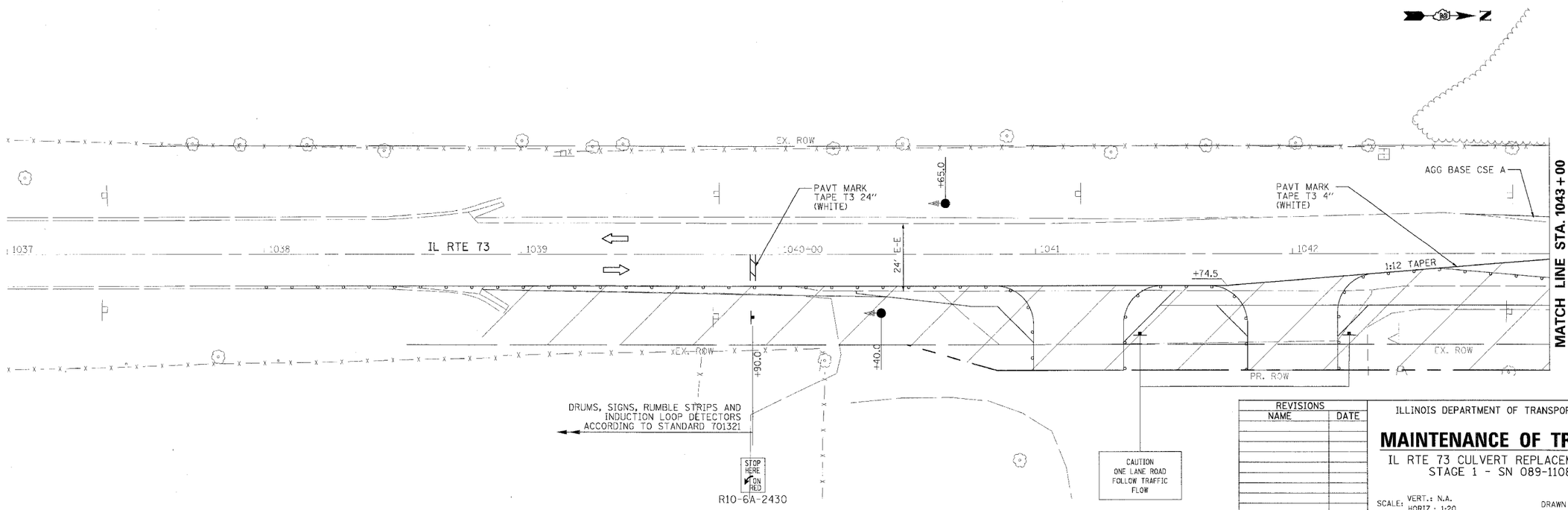
USE STANDARD 701306 AND 701326 AS NEEDED FOR CONSTRUCTION OF SHOULDERS.

USE STANDARDS 701001, 701006, 701011, AND 701311 AS NEEDED.

STAGE 1 NOTES
THE USE OF STANDARD 701321 FOR ALL STAGES SHALL BE LIMITED 1 WEEK.

CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED 0.5 MILES PRIOR TO STOP BARS.

LEGEND
- DRUMS (PER STD. 701321)
- DOUBLE VERTICAL PANELS (25' C-C)
- TRAFFIC SIGNAL
- DIRECTION OF TRAFFIC
- INDUCTION LOOP DETECTOR
- TYPE III BARRICADE
- WORK ZONE
- DITCH FLOW LINE



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 1 - SN 089-1108

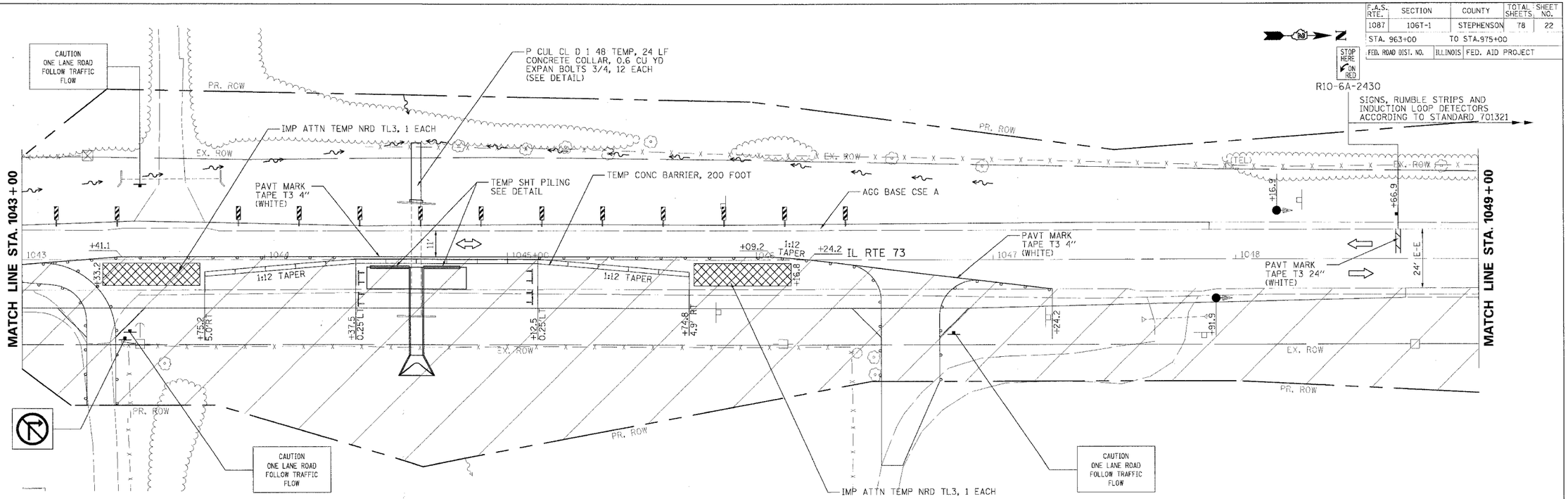
SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

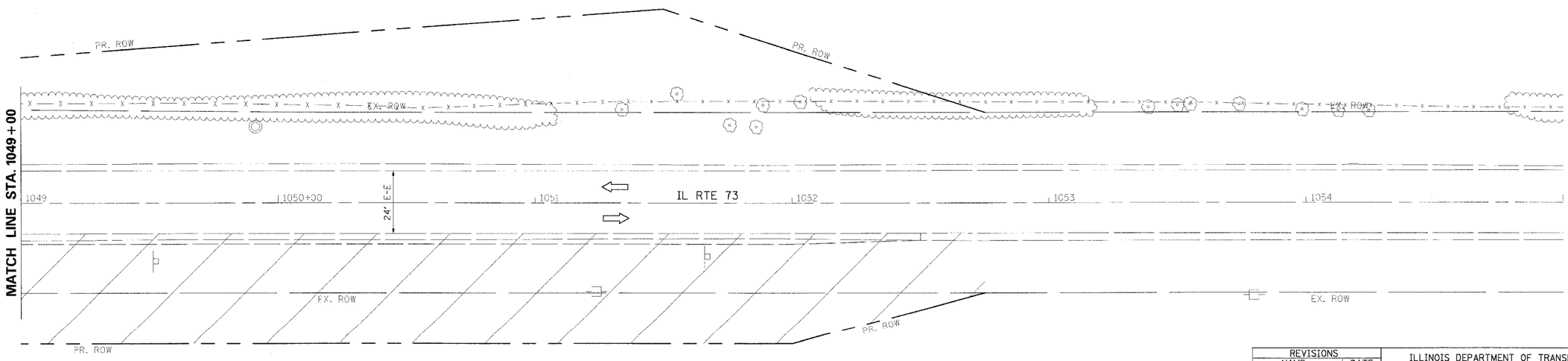
DRAWN BY: DLZ
CHECKED BY: GB

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	22
STA. 963+00	TO STA. 975+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 1 - SN 089-1108

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

PLOT DATE = $DATE$
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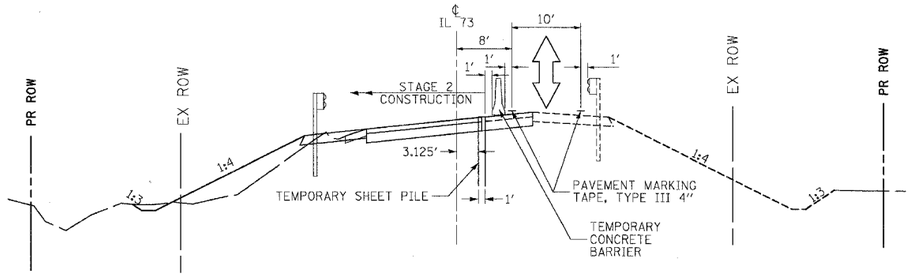
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	23
STA. 959+00		TO STA. 963+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGE 2 TYPICAL SECTION

STAGE 2 CONSTRUCTION
-CONSTRUCT UPSTREAM END OF PROPOSED BOX CULVERT
-CONSTRUCT PATCH OVER BOX CULVERT
-CONSTRUCT HMA SHOULDER ON LEFT SIDE
-CONSTRUCT GUARDRAIL ON LEFT SIDE
-CONSTRUCT PERMANENT PAVEMENT MARKINGS

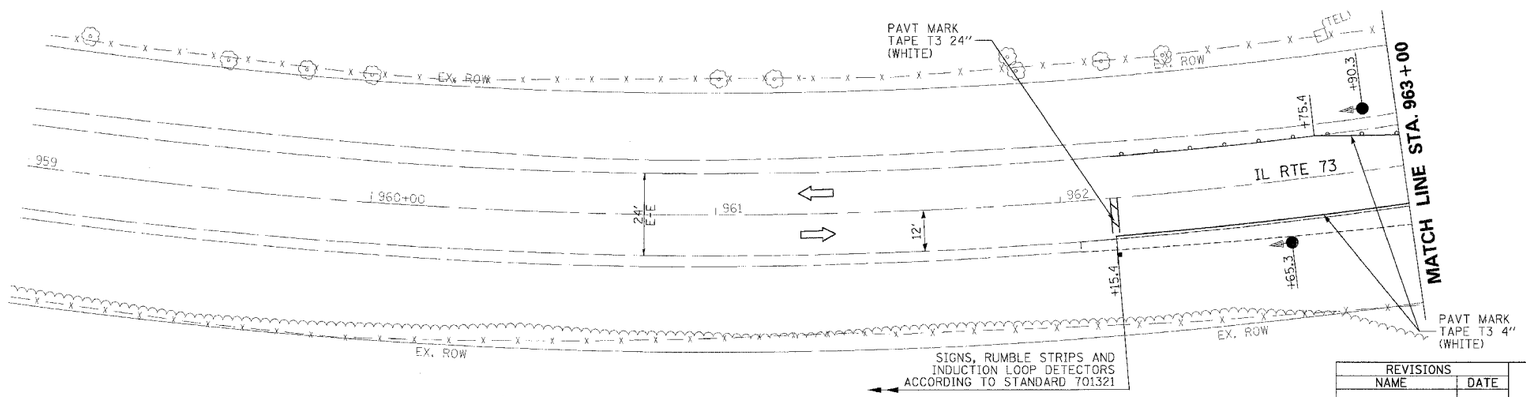
STAGE 2 TRAFFIC
USE STANDARD 701321, LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER FOR SETTING UP MAINTENANCE OF TRAFFIC FOR STAGE 2.

USE STANDARD 701311, LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY FOR PLACING PAVEMENT MARKINGS.

USE STANDARD 701306 AND 701326 AS NEEDED FOR CONSTRUCTION OF SHOULDERS.

USE STANDARDS 701001, 701006, 701011, AND 701311 AS NEEDED.

LEGEND
- DRUMS (PER STD. 701321)
- DOUBLE VERTICAL PANELS (25' C-C)
- TRAFFIC SIGNAL
- DIRECTION OF TRAFFIC
- INDUCTION LOOP DETECTOR
- TYPE III BARRICADE
- WORK ZONE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 2 - SN 089-1109

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

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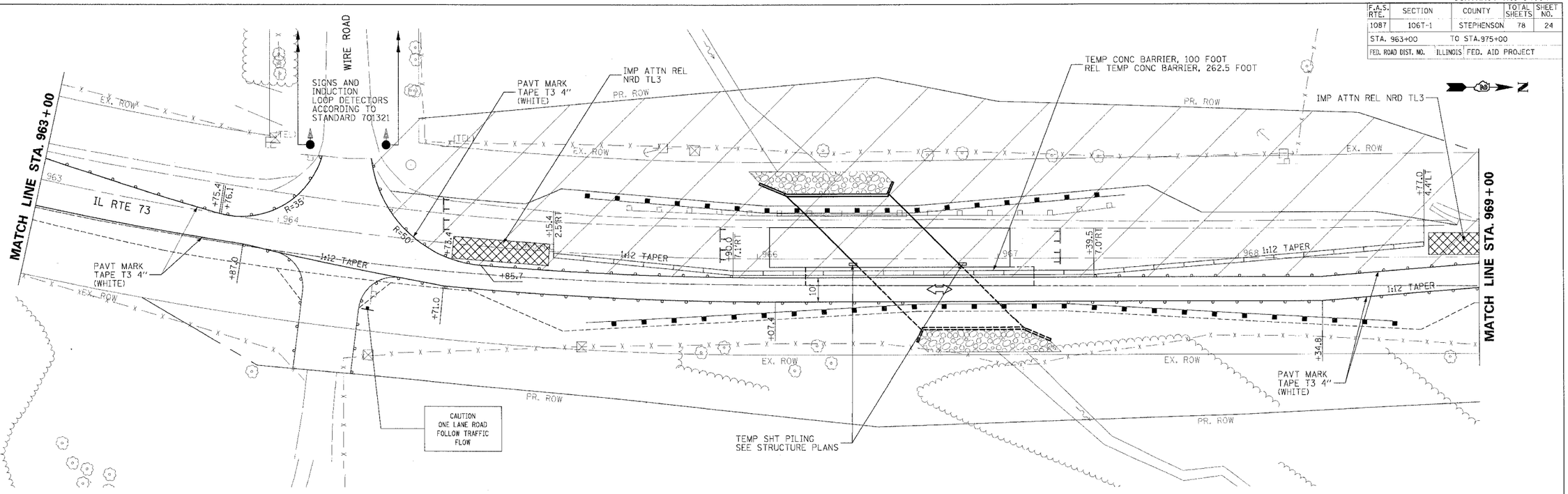
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	24
STA. 963+00		TO STA.975+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 2 - SN 089-1109

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

PLOT DATE = $DATE$
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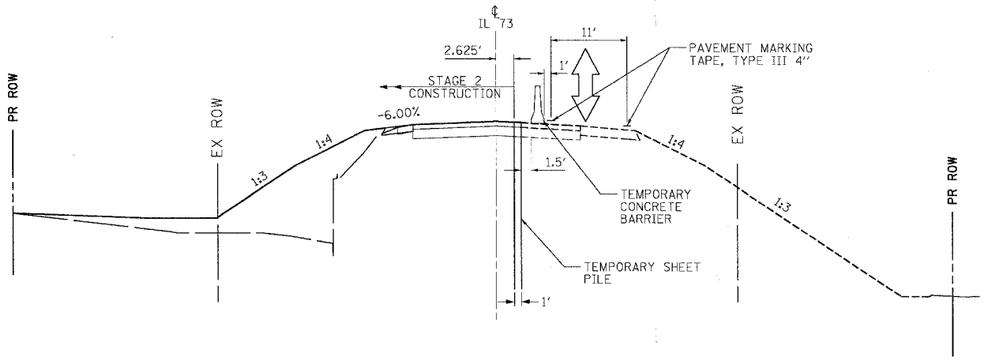
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	25
STA. 959+00	TO STA.963+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGE 2 TYPICAL SECTION

STAGE 2 CONSTRUCTION
-CONSTRUCT UPSTREAM END OF PROPOSED 60" PIPE CULVERT
-CONSTRUCT PATCH OVER PIPE CULVERT
-CONSTRUCT HMA SHOULDER ON LEFT SIDE
-CONSTRUCT AGGREGATE SHOULDER ON LEFT SIDE
-CONSTRUCT PERMANENT PAVEMENT MARKINGS

STAGE 2 TRAFFIC
USE STANDARD 701321, LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER FOR SETTING UP MAINTENANCE OF TRAFFIC FOR STAGE 2.

USE STANDARD 701311, LANE CLOSURE 2L, 2W, MOVING OPERATIONS-DAY ONLY FOR PLACING PAVEMENT MARKINGS.

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STAGE 2 NOTES
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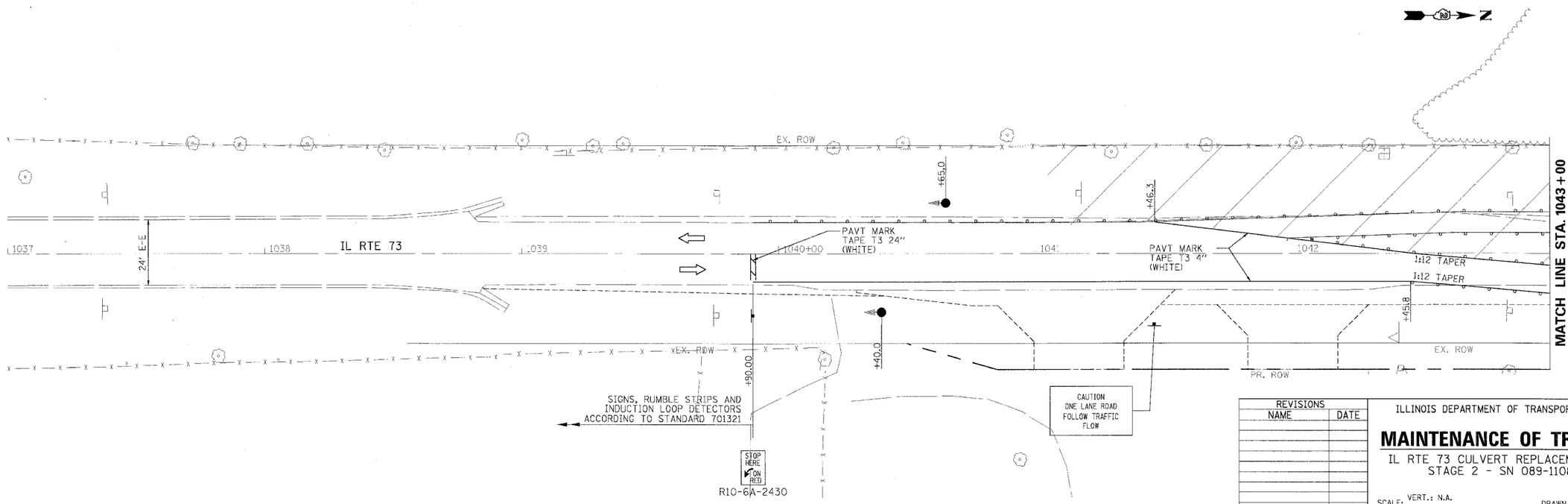
- DOUBLE VERTICAL PANELS (25' C-C)
- TRAFFIC SIGNAL
- DIRECTION OF TRAFFIC
- INDUCTION LOOP DETECTOR
- TYPE III BARRICADE
- WORK ZONE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 2 - SN 089-1108

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: CB

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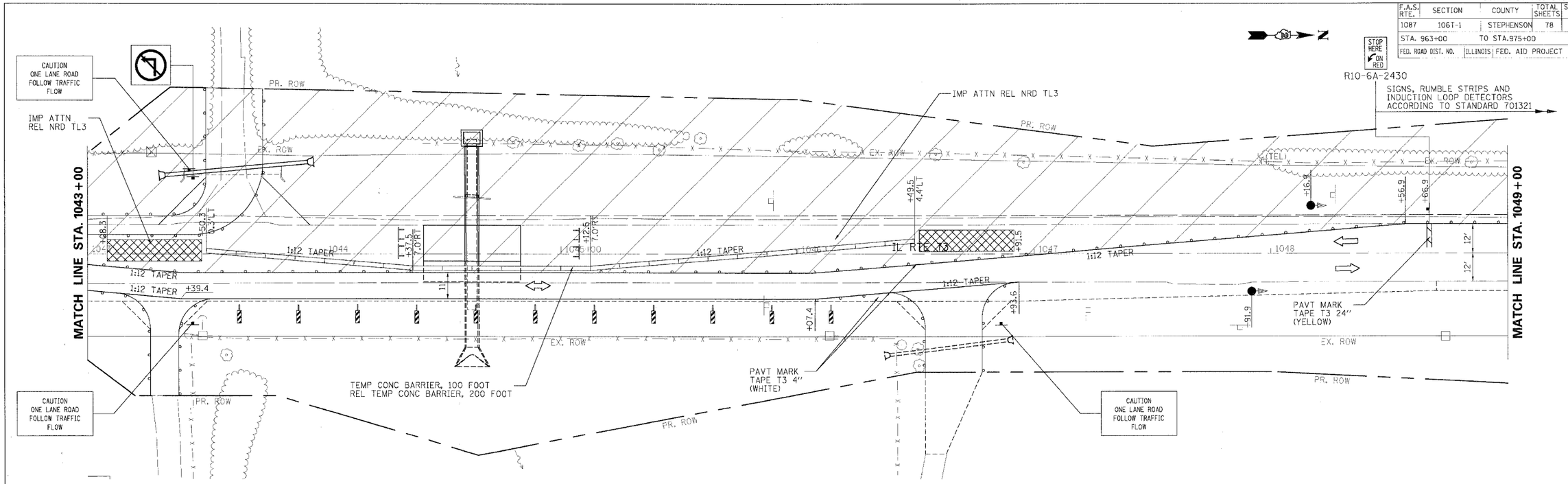
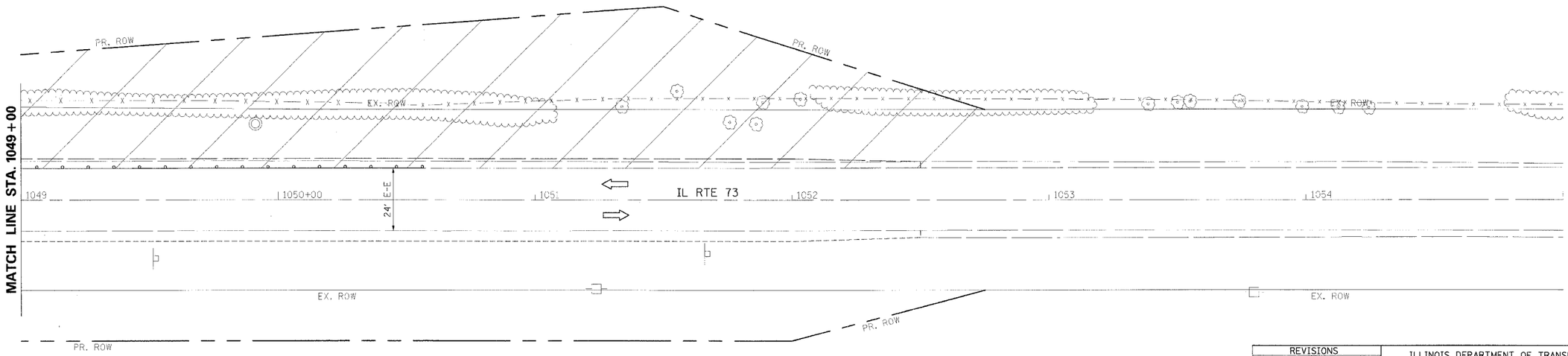
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	26
STA. 963+00		TO STA.975+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC

IL RTE 73 CULVERT REPLACEMENTS
STAGE 2 - SN 089-1108

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

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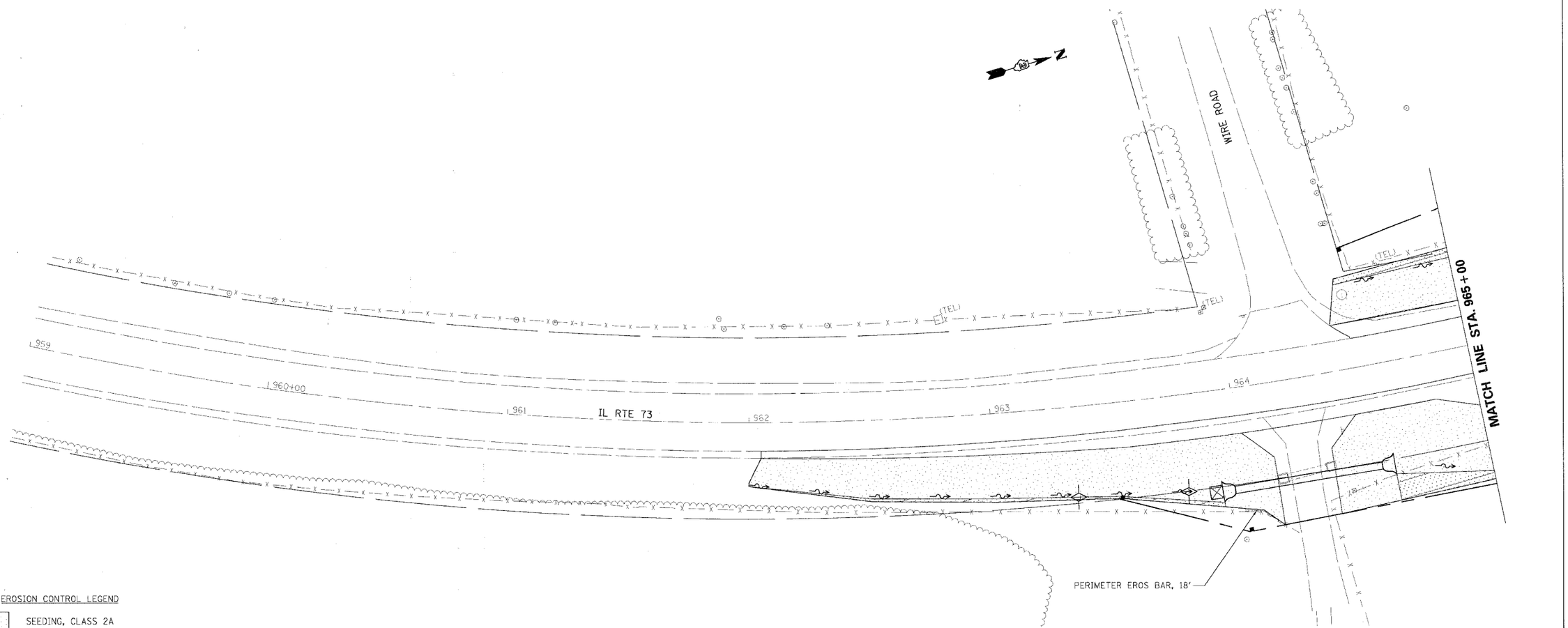
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	27
STA. 959+00		TO STA. 965+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND

- SEEDING, CLASS 2A
- SEEDING, CLASS 4
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- PROPOSED DITCH FLOW

0 50' 100'

NOTE:
EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1 AND ON THE BOTTOM OF ALL DITCHES.

MULCH, METHOD 2 SHALL BE USED WITH ALL OTHER SEEDING OPERATIONS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

IL RTE 73 CULVERT REPLACEMENTS
SN 089-1109

SCALE: VERT. : N.A.
HORIZ. : 1:20

DATE : OCTOBER 1, 2007

DRAWN BY: DLZ

CHECKED BY: GB

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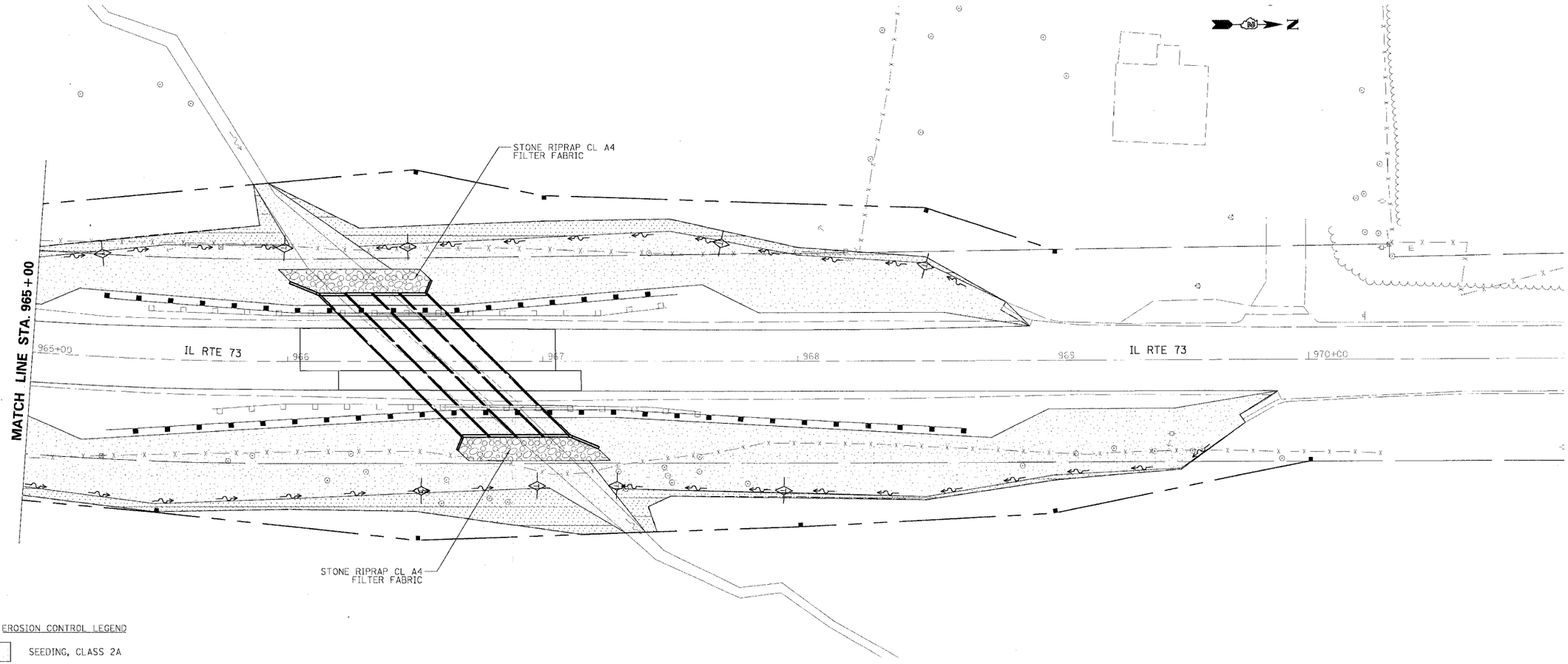
CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	28
STA. 965+00		TO STA. 971+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND

- SEEDING, CLASS 2A
- SEEDING, CLASS 4
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- PROPOSED DITCH FLOW

0 50' 100'

NOTE:
EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1 AND ON THE BOTTOM OF ALL DITCHES.

MULCH, METHOD 2 SHALL BE USED WITH ALL OTHER SEEDING OPERATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

IL RTE 73 CULVERT REPLACEMENTS
SN 089-1109

SCALE: VERT. : N.A.
HORIZ. : 1:20
DATE : OCTOBER 1, 2007

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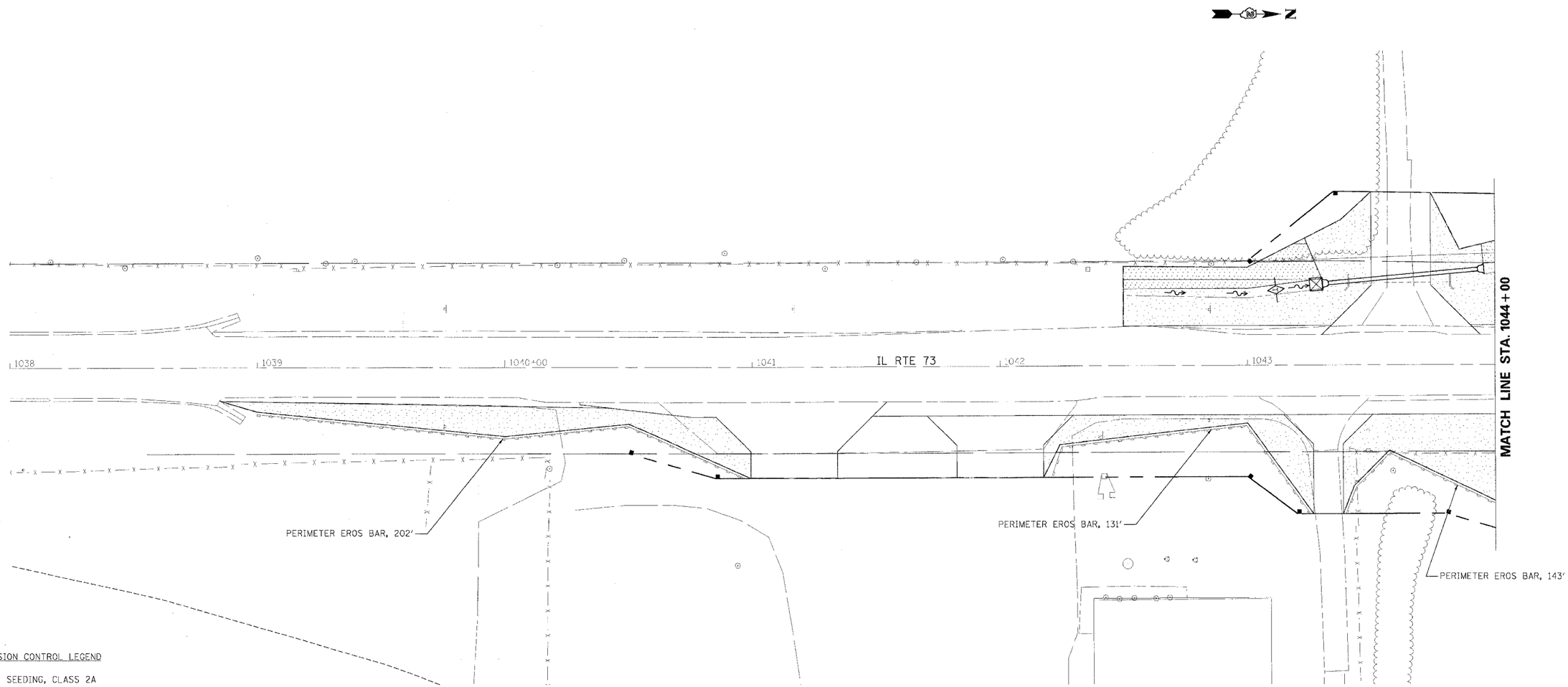
CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	79	29
STA. 1038+00		TO STA.1044+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND

- SEEDING, CLASS 2A
- SEEDING, CLASS 4
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- PROPOSED DITCH FLOW

0 50' 100'

NOTE:
EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1 AND ON THE BOTTOM OF ALL DITCHES.

MULCH, METHOD 2 SHALL BE USED WITH ALL OTHER SEEDING OPERATIONS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

IL RTE 73 CULVERT REPLACEMENTS
SN 089-1108

SCALE: VERT.: N.A.
HORIZ.: 1:20
DATE : OCTOBER 1, 2007

DRAWN BY: DLZ
CHECKED BY: GB

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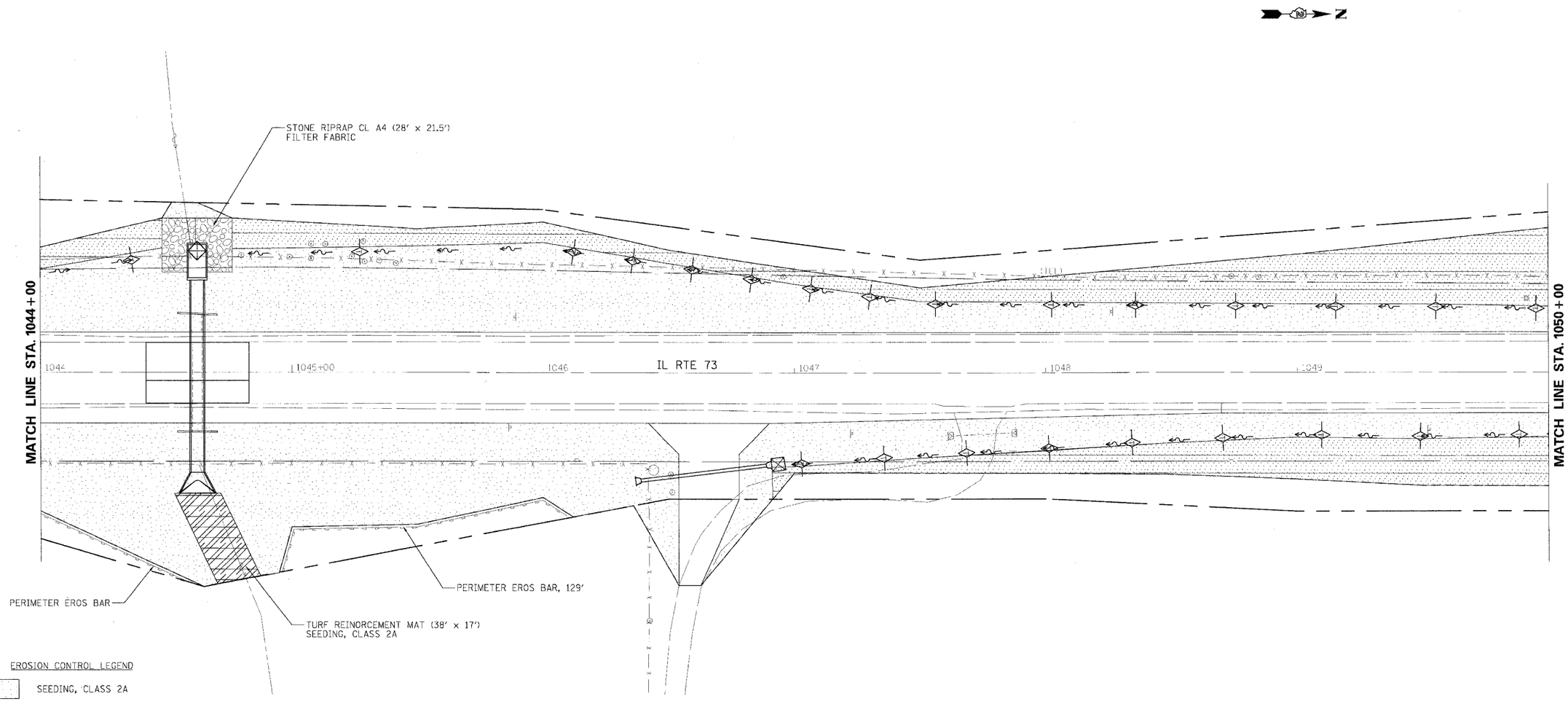
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	79	30
STA. 1044+00		TO STA.1050+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND

- SEEDING, CLASS 2A
- SEEDING, CLASS 4
- TURF REINFORCEMENT MAT
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- PROPOSED DITCH FLOW

NOTE:
EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1 AND ON THE BOTTOM OF ALL DITCHES.

MULCH, METHOD 2 SHALL BE USED WITH ALL OTHER SEEDING OPERATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

IL RTE 73 CULVERT REPLACEMENTS
SN 089-1108

SCALE: VERT.: N.A.
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DATE : OCTOBER 1, 2007

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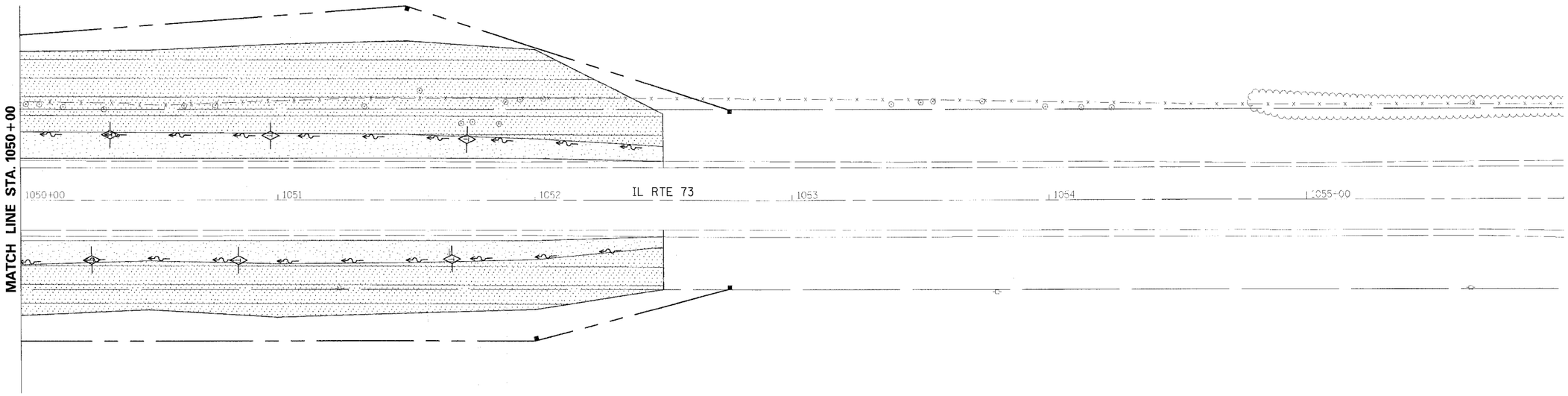
CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	79	31
STA. 1050+00		TO STA.1056+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



EROSION CONTROL LEGEND

- SEEDING, CLASS 2A
- SEEDING, CLASS 4
- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- PROPOSED DITCH FLOW

NOTE:
EROSION CONTROL BLANKET SHALL BE USED ON ALL SLOPES STEEPER THAN 3:1 AND ON THE BOTTOM OF ALL DITCHES.

MULCH, METHOD 2 SHALL BE USED WITH ALL OTHER SEEDING OPERATIONS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

IL RTE 73 CULVERT REPLACEMENTS
SN 089-1108

SCALE: VERT.: N.A.
HORIZ.: 1:20
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DRAWN BY: DLZ
CHECKED BY: GB

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

BENCH MARK: BM 430
STA. 963+79.43, 209.6268' LT., EL 794.827
HEADWALL

EXISTING STRUCTURE: NO. 089-1023
IL 73 SECTION 106A CONSTRUCTED 1933
DOUBLE 7'-0" X 7'-0" X 54'-0" CONCRETE BOX CULVERT.

NO SALVAGE.

PROPOSED IMPROVEMENTS:
EXISTING STRUCTURE TO BE REMOVED AND REPLACED IN STAGES WITH A 4 CELL - 7'-0" X 4'-0" CAST-IN-PLACE CONCRETE BOX CULVERT MAINTAINING ONE LANE OF TRAFFIC.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	32
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 01
13 SHEETS

Contract # 64C84

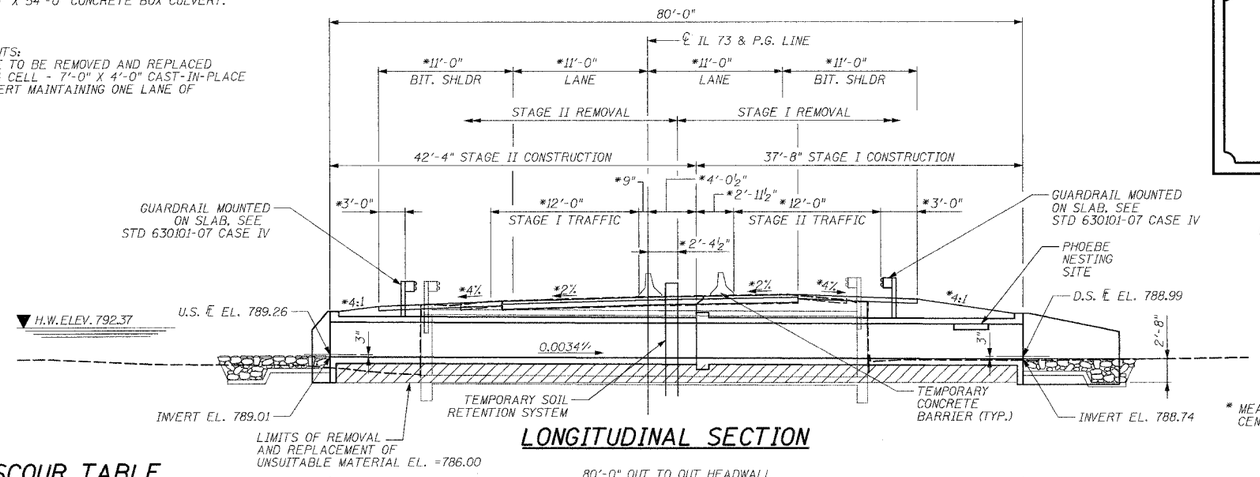
STATION 966+60
BUILT 200_ BY
STATE OF ILLINOIS
IL 73 SECT. 106T-1
LOADING HS20
STR. NO. 089-1109

NAME PLATE

NOTE: SEE STANDARD DRAWING 515001 FOR NAME PLATE DETAILS.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E Anderson
ENGINEER OF BRIDGES AND STRUCTURES

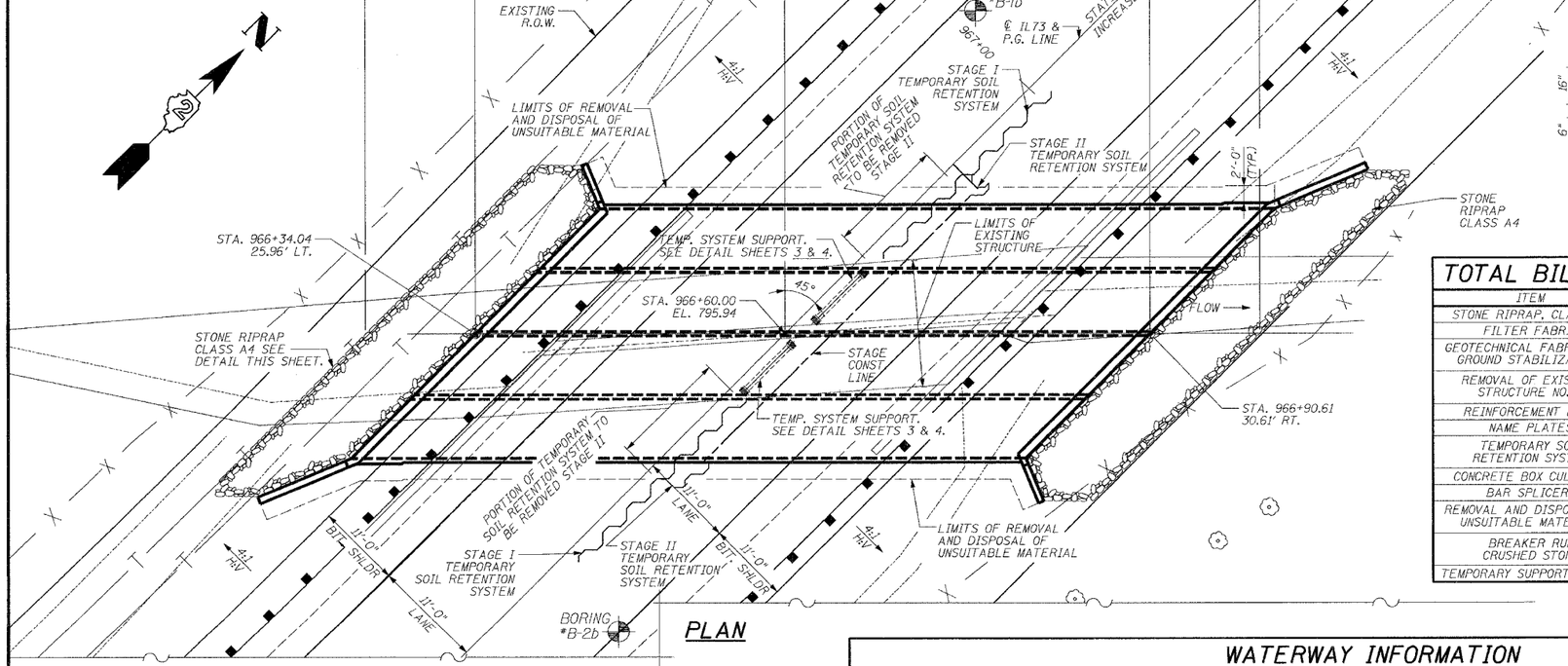


LONGITUDINAL SECTION

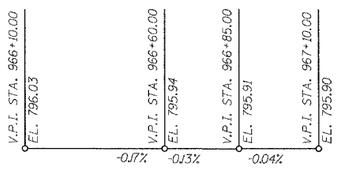
* MEASURED PERPENDICULAR TO CENTERLINE OF ROADWAY

DESIGN SCOUR TABLE

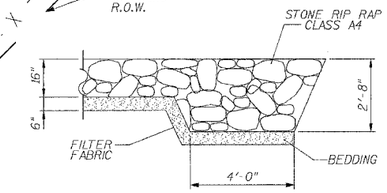
DESIGN SCOUR ELEVATION (FT.)	UPSTREAM	DOWNSTREAM
	786.01	785.74



PLAN



PROFILE GRADE



RIP RAP FLANK DETAIL

GENERAL NOTES

1. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A706 GR 60 (IL MODIFIED). SEE SPECIAL PROVISION.
2. EXPOSED EDGES SHALL HAVE A ¾" CHAMFER.
3. CULVERT FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
4. THE CONTRACTOR SHALL CLEAN OUT CULVERT STREAM FLOW TO THE RIGHT OF WAY LINES. THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "CONCRETE BOX CULVERTS".
5. STRUCTURE EXCAVATION AND GRADING AROUND ENDS OF CULVERT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "CONCRETE BOX CULVERTS".
6. PLACEMENT AND COMPACTION OF THE BACKFILL FOR CULVERT SHALL CONFORM TO SECTION 502.10 OF THE STANDARD SPECIFICATIONS. THE MATERIAL SHALL CONFORM TO SECTION 1004.05 OF THE STANDARD SPECIFICATIONS FOR COARSE AGGREGATE FOR TRENCH BACKFILL, AND SHALL BE COMPACTED TO MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED SUBGRADE. THIS TRENCH BACKFILL MATERIAL WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CLASS OF CONCRETE INVOLVED OR OTHER UNIT PRICE ITEM OF THE WORK FOR WHICH IT IS REQUIRED.
7. PRECAST SUBSTITUTION IS NOT ALLOWED FOR THIS CULVERT.
8. THE NEW NUMBER FOR THIS STRUCTURE WILL BE 089-1109.
9. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
10. AT LEAST SIX FEET OR A MINIMUM OF ONE HALF THE WING LENGTH OF THE BARREL SHALL BE POURED MONOLITHICALLY WITH WINGWALLS.
11. LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE VARIED TO SUIT GROUND CONDITIONS IN THE FIELD AS DIRECTED BY THE ENGINEER.

DESIGN SPECIFICATIONS

AASHTO 2002 SPECIFICATIONS WITH CURRENT INTERIMS

LOADING HS20-44

ALLOW 50#/SQ. FT. FOR FUTURE WEARING SURFACE.

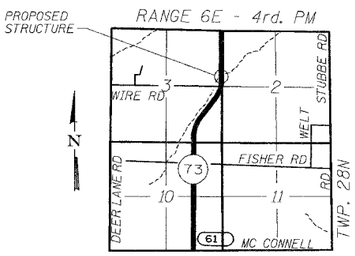
DESIGN STRESSES

FIELD UNITS

f'c = 3,500 PSI
fy = 60,000 PSI (REINFORCEMENT)

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STONE RIPRAP, CLASS A4	SQ. YD.	110
FILTER FABRIC	SQ. YD.	110
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ. YD.	310
REMOVAL OF EXISTING STRUCTURE NO. 1	EACH	1
REINFORCEMENT BARS	LB	77,487
NAME PLATES	EACH	1
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	820
CONCRETE BOX CULVERTS	CU. YD.	189.2
BAR SPLICERS	EACH	153
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU. YD.	160
BREAKER RUN CRUSHED STONE	TON	365
TEMPORARY SUPPORT SYSTEM	EACH	1



LOCATION SKETCH

WATERWAY INFORMATION

DRAINAGE AREA (SQ. MI.) = 1.0

LOW GRADE ELEV. (FEET) EXIST = 795.88 @ STA. 967+60
PROPOSED = 795.88 @ STA. 967+60

MAX RECORDED H.W.E. =

FLOOD	FREQUENCY YEAR	DISCHARGE (C.F.S.)	WATERWAY OPENING EXISTING (SQ. FT.)	WATERWAY OPENING PROPOSED (SQ. FT.)	NATURAL H.W.E.	CREATED HEAD EXISTING (FEET)	CREATED HEAD PROPOSED (FEET)	HEADWATER ELEVATION EXISTING (FEET)	HEADWATER ELEVATION PROPOSED (FEET)
TEN-YEAR	10	352	70.7	74.5	791.92	--------	--------	791.92	791.92
DESIGN	50	726	77.0	87.1	792.37	2.00	1.90	794.37	794.27
BASE	100	959	77.3	87.6	792.39	3.61	3.23	796.00	795.62
EX OVT	97	935	77.1	87.4	792.38	3.50	--------	795.88	--------
PR OVT	113	997	77.6	88.2	792.41	--------	3.47	--------	795.88

DESIGNED -	WSP
CHECKED -	ASP
DRAWN -	BEM
CHECKED -	WSP

WAYNE A. TRUEX
REGISTERED STRUCTURAL ENGINEER
081-005429
STATE OF ILLINOIS

11-30-08

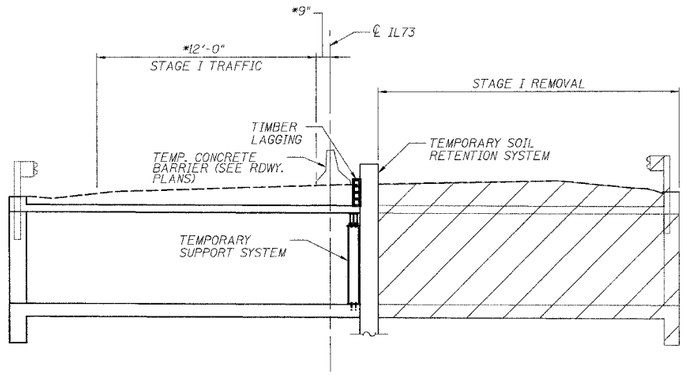
GENERAL PLAN
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	33
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT-	

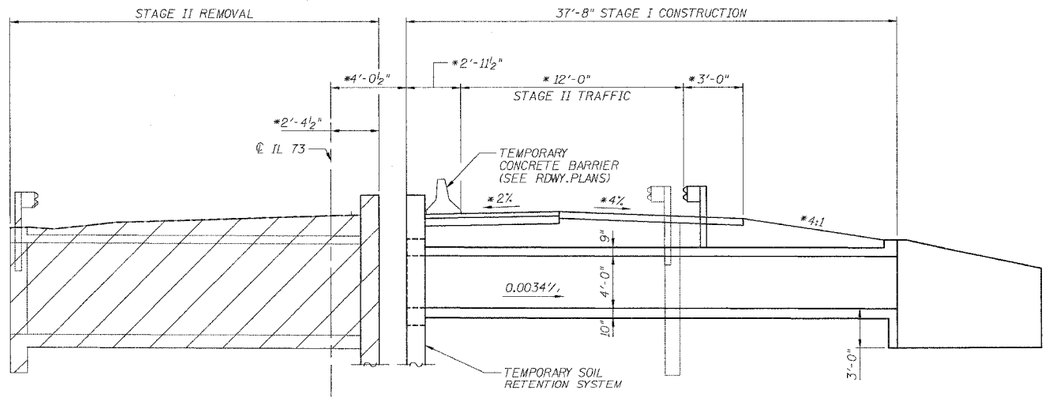
SHEET NO. 02
13 SHEETS

Contract # 64C84

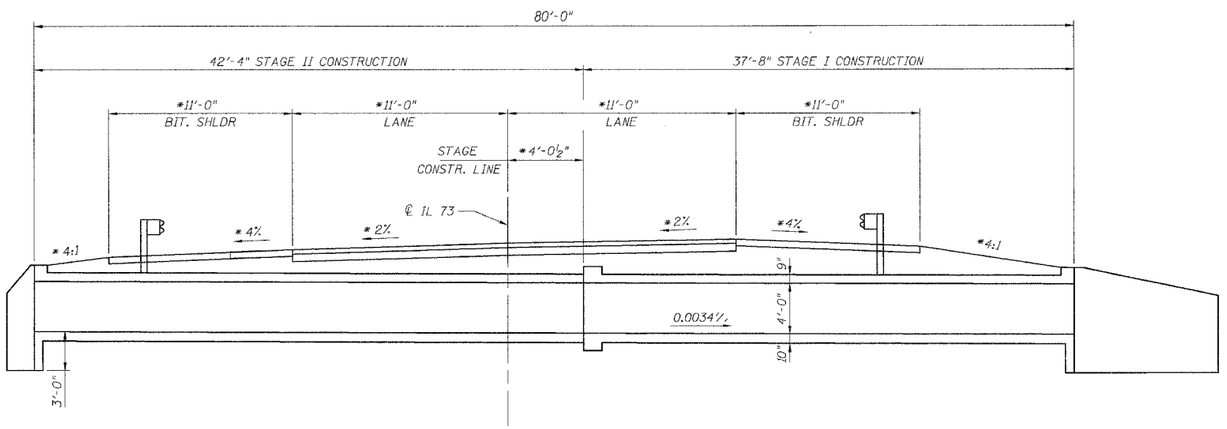
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STAGE I



STAGE II



FINAL CROSS SECTION

* MEASURED PERPENDICULAR TO ROADWAY CENTERLINE

STAGING NOTES

STAGE I REMOVAL & CONSTRUCTION

1. INSTALL TEMPORARY SUPPORT SYSTEM
2. INSTALL TEMPORARY CONCRETE BARRIER AS SHOWN TO MAINTAIN ONE (1) LANE OF TRAFFIC.
3. INSTALL STAGE I TEMPORARY SOIL RETENTION SYSTEM
4. PERFORM STAGE I REMOVAL.
5. CONSTRUCT STAGE I PORTION OF THE STRUCTURE.
6. ADJUST TEMPORARY SOIL RETENTION SYSTEM FOR STAGE II.
7. CONSTRUCT ROADWAY PAVEMENT.

STAGE II REMOVAL & CONSTRUCTION

1. RELOCATE TEMPORARY CONCRETE BARRIER AS REQUIRED TO MAINTAIN ONE (1) LANE OF TRAFFIC.
2. REMOVE REMAINING PORTION OF THE STRUCTURE & TEMPORARY SUPPORT SYSTEM
3. CONSTRUCT STAGE II PORTION OF THE STRUCTURE
4. CONSTRUCT ROADWAY PAVEMENT. (MOVE CONCRETE BARRIER AS REQUIRED TO CONSTRUCT THE ROADWAY PAVEMENT.)

LEGEND

REMOVAL OF EXISTING STRUCTURES

DESIGNED -	WSP
CHECKED -	WSP
DRAWN -	BEM
CHECKED -	WSP

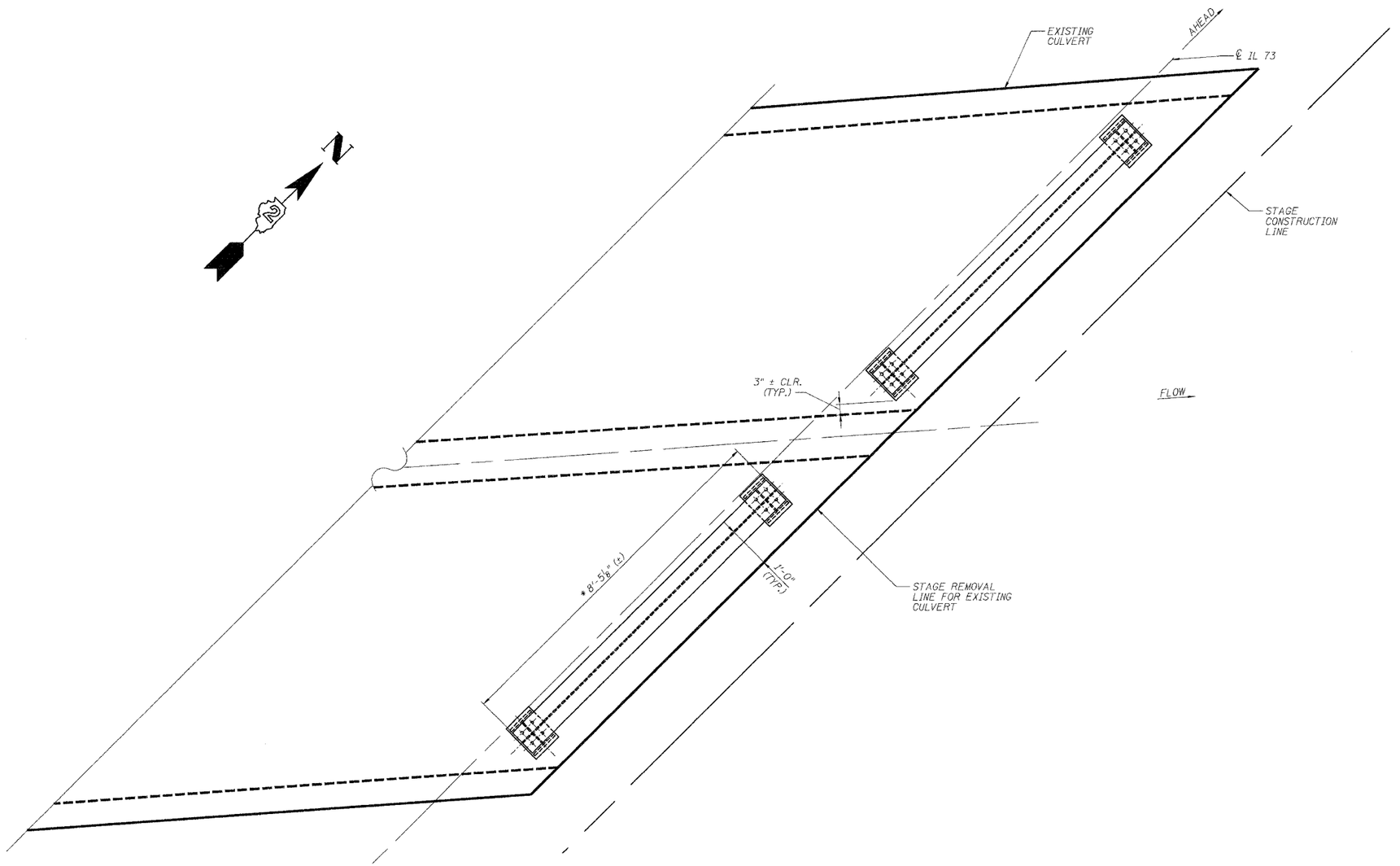
STAGE PLANNING
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	34
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 03
13 SHEETS

Contract # 64C84



PLAN

*DIMENSIONS TAKEN FROM EXISTING CULVERT PLANS. CONTRACTOR TO FIELD VERIFY DIMENSIONS PRIOR TO ORDERING AND FABRICATING TEMPORARY SUPPORT SYSTEM

DESIGNED -	ASP
CHECKED -	WSP
DRAWN -	BEM
CHECKED -	WSP

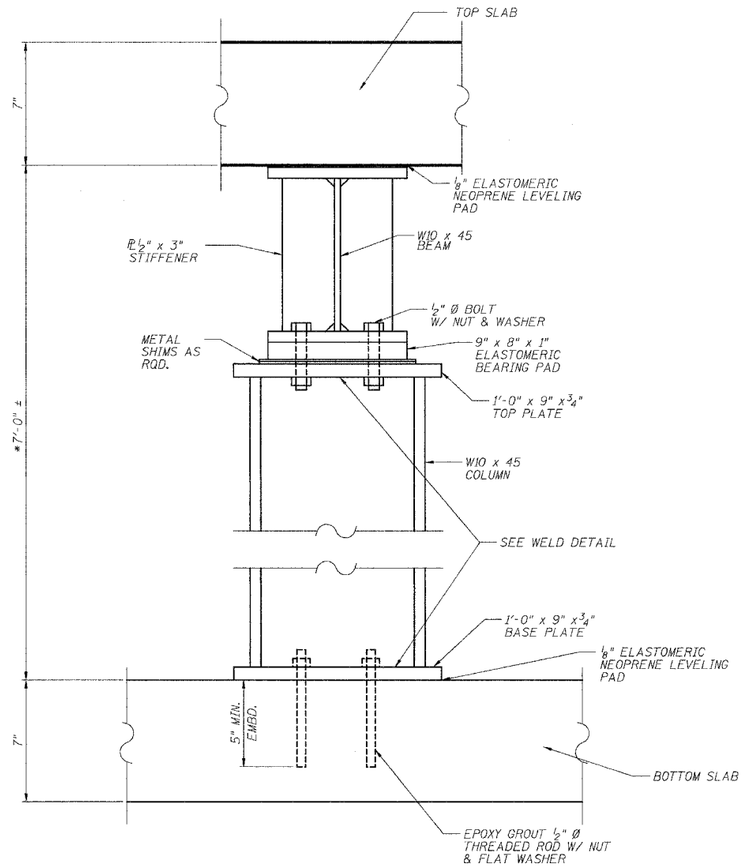
TEMPORARY STAGING SUPPORT
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	35
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT-	

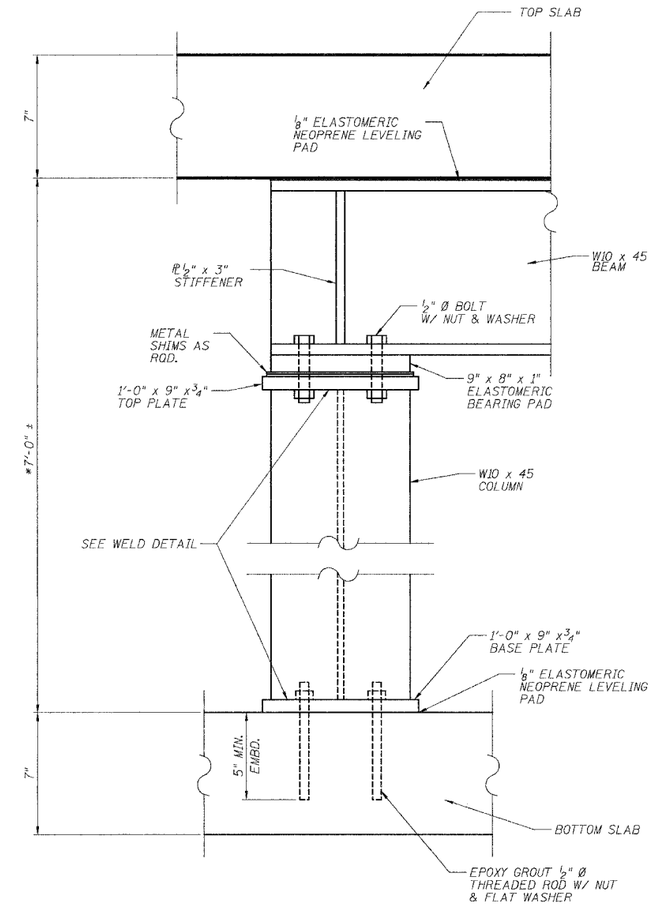
SHEET NO. 04
13 SHEETS

Contract # 64C84

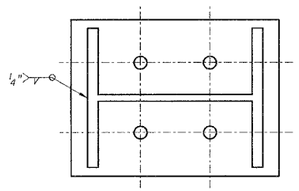


*DIMENSIONS TAKEN FROM EXISTING CULVERT PLANS. CONTRACTOR TO FIELD VERIFY DIMENSIONS PRIOR TO ORDERING AND FABRICATING TEMPORARY SUPPORT SYSTEM

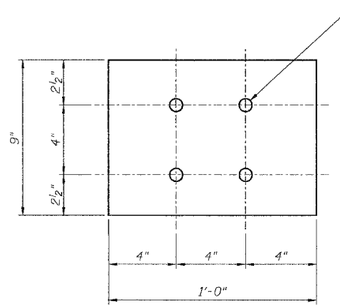
VIEW



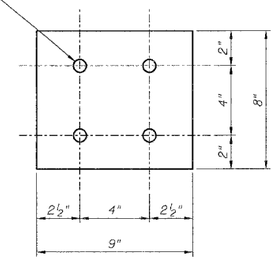
VIEW



WELD DETAIL
(SIMILAR @ TOP & BOTTOM PLATES)



TOP PLATE / BASE PLATE



ELASTOMERIC BEARING PAD

DESIGNED	-	ASP
CHECKED	-	WSP
DRAWN	-	BEM
CHECKED	-	WSP

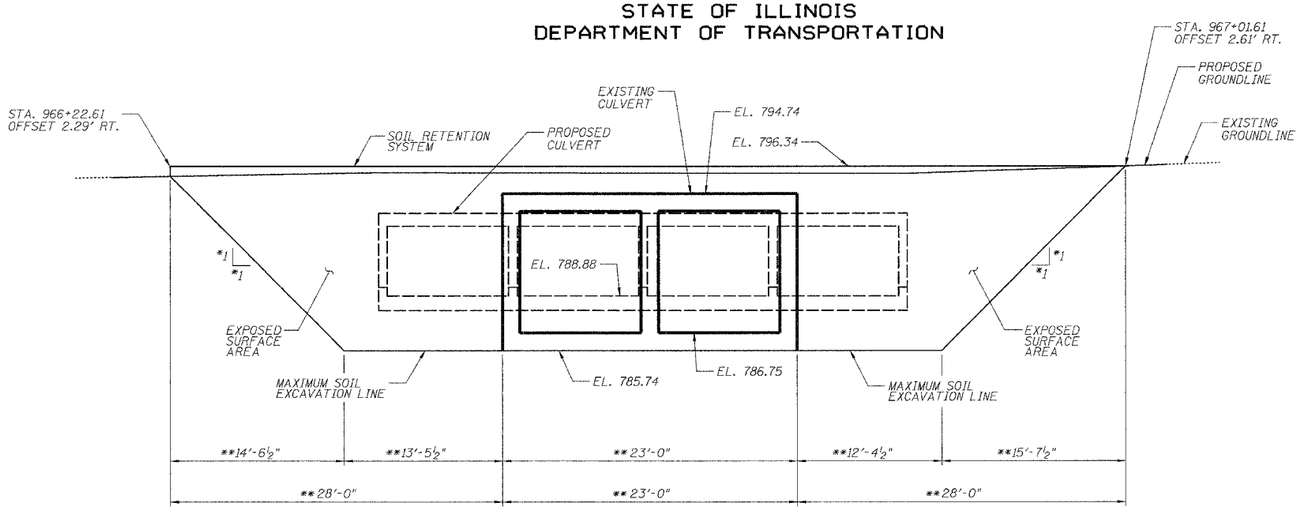
TEMPORARY STAGING
SUPPORT DETAILS
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	36
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 05
13 SHEETS

Contract # 64C84

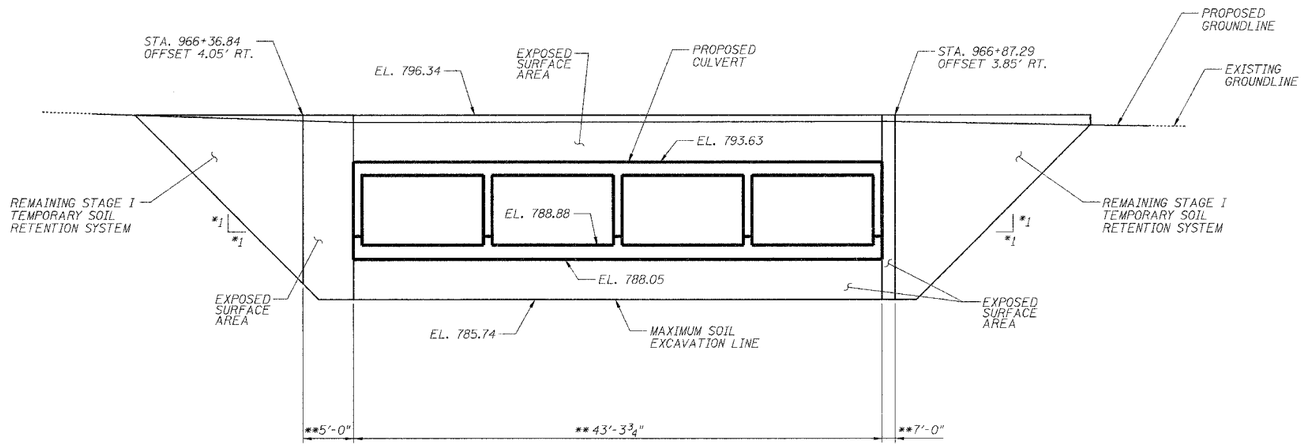
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STAGE 1 TEMPORARY SOIL RETENTION SYSTEM

(LOOKING WEST)

* DENOTES PERPENDICULAR TO ℄ OF CULVERT
** MEASURED ALONG ℄ OF PILING



STAGE 2 TEMPORARY SOIL RETENTION SYSTEM

(LOOKING EAST)

* DENOTES PERPENDICULAR TO ℄ OF CULVERT
** MEASURED ALONG ℄ OF PILING
*** MEASURED PARALLEL TO ℄ OF ROADWAY

DESIGNED -	ASP
CHECKED -	WSP
DRAWN -	BEM
CHECKED -	WSP

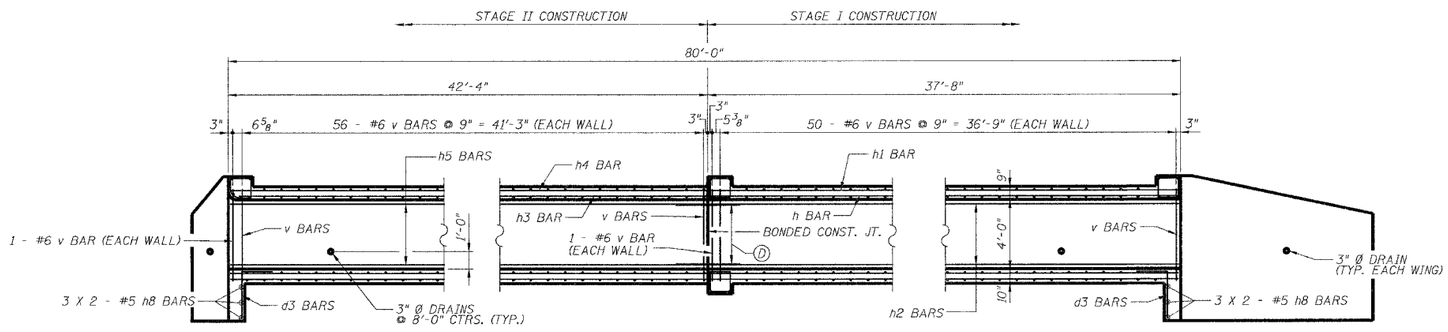
TEMPORARY SOIL RETENTION SYSTEM
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	37
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 06
13 SHEETS

Contract # 64C84

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



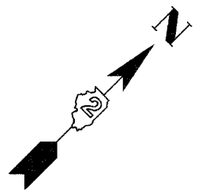
MIN. LAPS

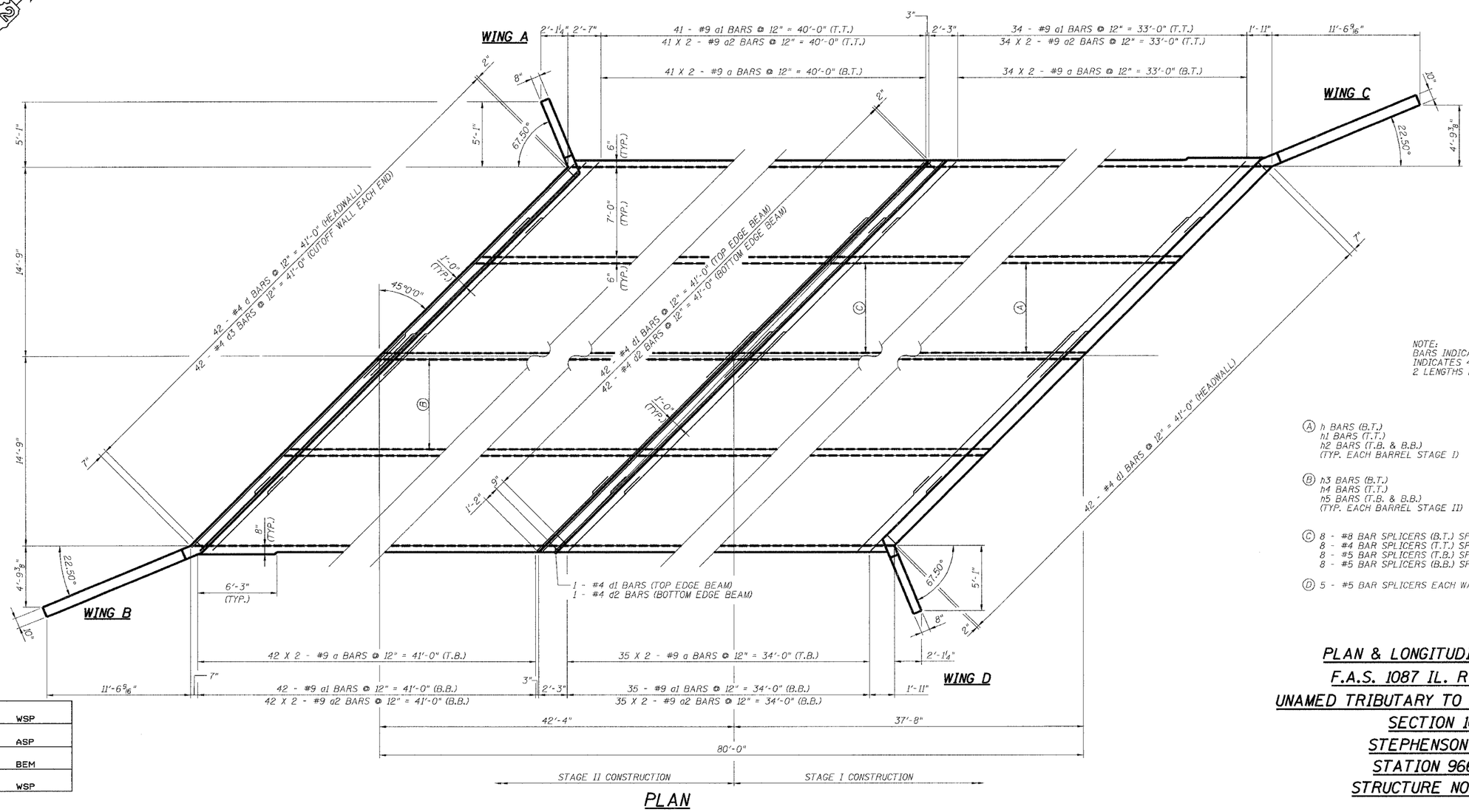
#4 BARS = 1'-4"
#5 BARS = 1'-8"
#6 BARS = 2'-0"
#8 BARS = 3'-8"
#9 BARS = 4'-7"

LEGEND

T.T. = TOP OF TOP SLAB
B.T. = BOTTOM OF TOP SLAB
T.B. = TOP OF BOTTOM SLAB
B.B. = BOTTOM OF BOTTOM SLAB

LONGITUDINAL SECTION





PLAN

NOTE:
BARS INDICATED 41 X 2 #9 a1 BARS INDICATES 41 LINES OF BARS WITH 2 LENGTHS PER LINE.

(A) h BARS (B.T.)
h1 BARS (T.T.)
h2 BARS (T.B. & B.B.)
(TYP. EACH BARREL STAGE I)

(B) h3 BARS (B.T.)
h4 BARS (T.T.)
h5 BARS (T.B. & B.B.)
(TYP. EACH BARREL STAGE II)

(C) 8 - #8 BAR SPLICERS (B.T.) SPACED WITH h & h3 BARS
8 - #4 BAR SPLICERS (T.T.) SPACED WITH h1 & h4 BARS
8 - #5 BAR SPLICERS (T.B.) SPACED WITH h2 & h5 BARS
8 - #5 BAR SPLICERS (B.B.) SPACED WITH h2 & h5 BARS

(D) 5 - #5 BAR SPLICERS EACH WALL SPACED WITH h1 & h3 BARS

DESIGNED -	WSP
CHECKED -	ASP
DRAWN -	BEM
CHECKED -	WSP

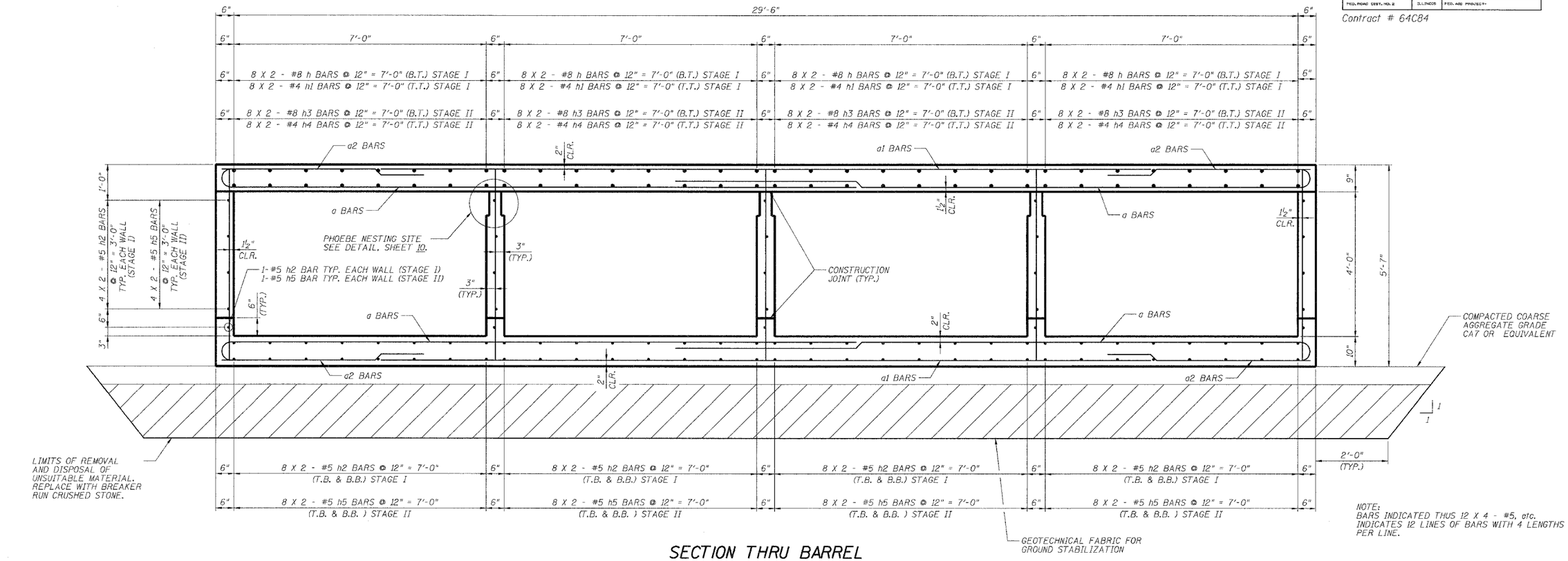
PLAN & LONGITUDINAL SECTION
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	38
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 07
13 SHEETS

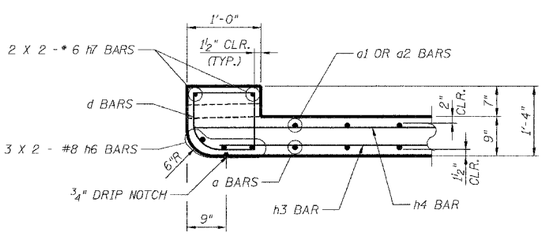
Contract # 64C84



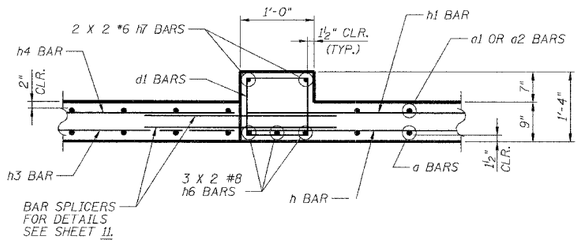
SECTION THRU BARREL

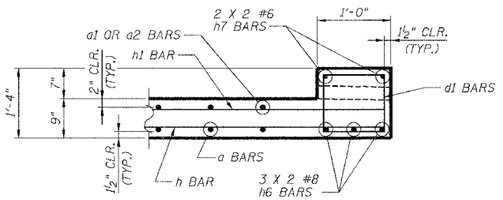
(ALL DIMENSIONS ARE PERPENDICULAR TO ℄ OF CULVERT)

NOTE:
BARS INDICATED THUS 12 X 4 - #5, etc.
INDICATES 12 LINES OF BARS WITH 4 LENGTHS PER LINE.

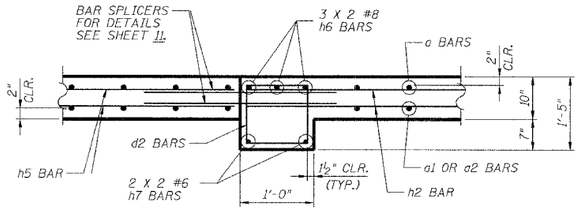


UPSTREAM END



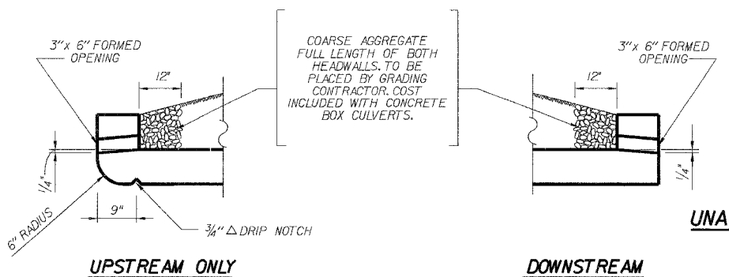


DOWNSTREAM END



INTERIOR

HEADWALL DETAILS



UPSTREAM ONLY

DOWNSTREAM

DRAIN DETAIL

DESIGNED	-	WSP
CHECKED	-	ASP
DRAWN	-	BEM
CHECKED	-	WSP

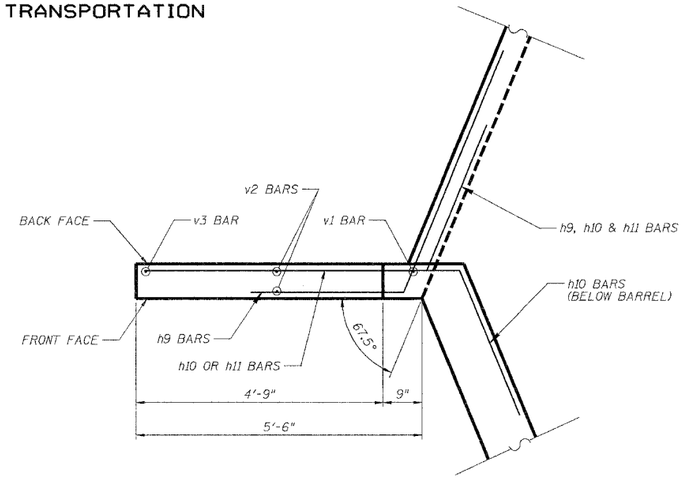
TYPICAL SECTION & DETAILS
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

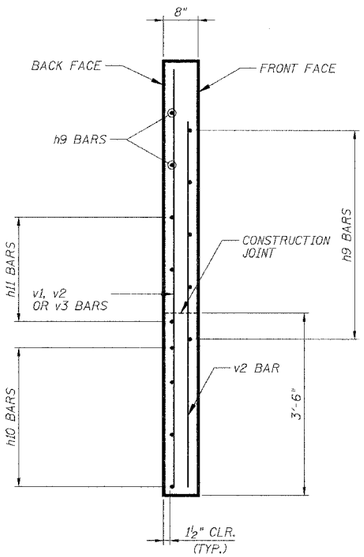
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	39
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 08
13 SHEETS

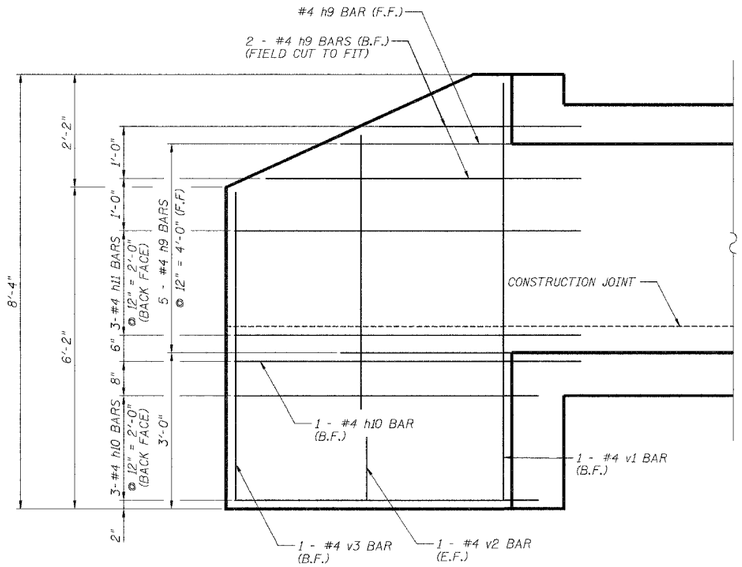
Contract # 64C84



WINGS A & D PLAN



WINGS A & D TYPICAL SECTION



WINGS A & D ELEVATION

LEGEND

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

DESIGNED -	WSP
CHECKED -	ASP
DRAWN -	BGC
CHECKED -	WSP

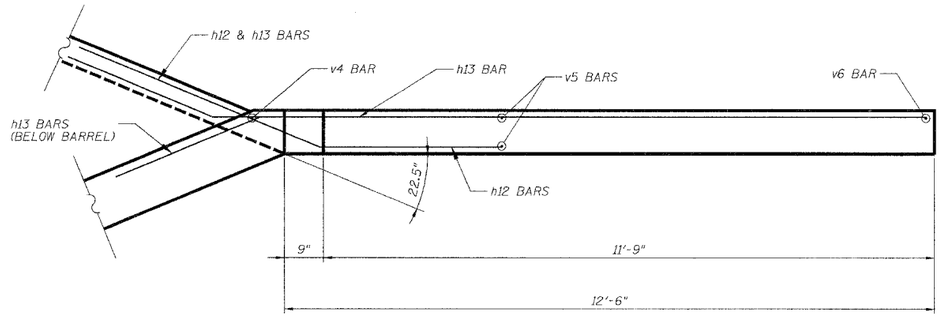
WINGS A & D
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

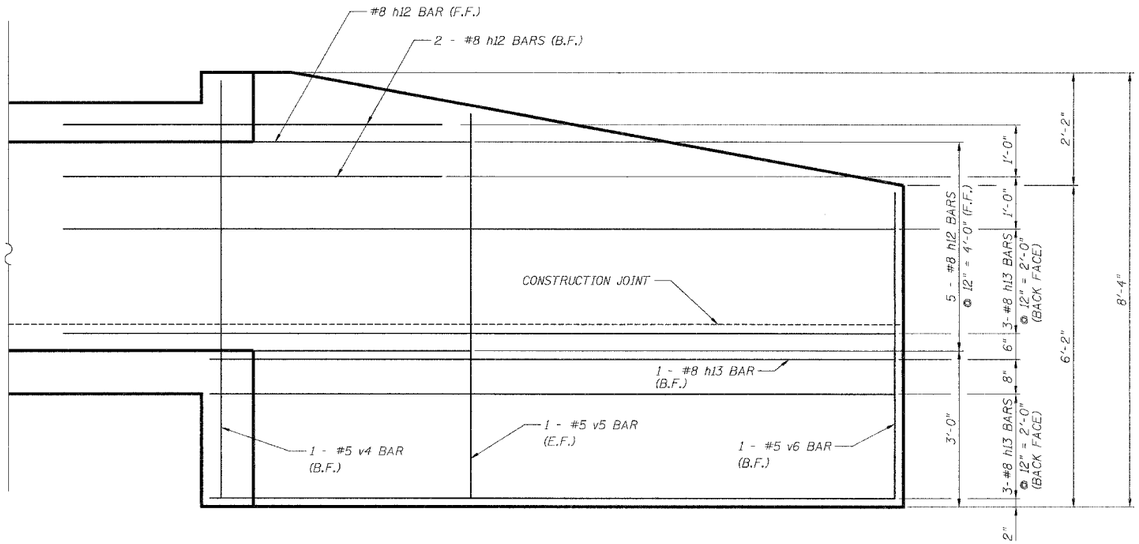
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	40
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 09
13 SHEETS

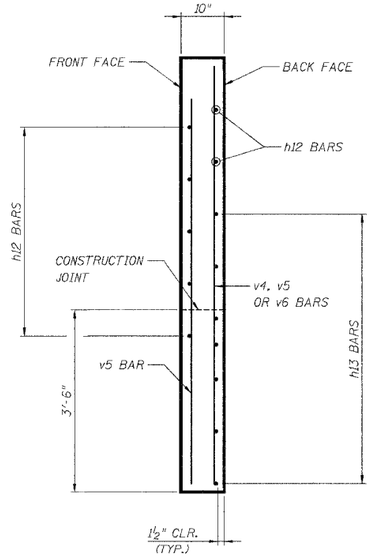
Contract # 64C84



WINGS B & C PLAN



WINGS B & C ELEVATION



WINGS B & C TYPICAL SECTION

LEGEND

B.F. = BACK FACE
F.F. = FRONT FACE
E.F. = EACH FACE

DESIGNED -	WSP
CHECKED -	ASP
DRAWN -	BGC
CHECKED -	WSP

WINGS B & C
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

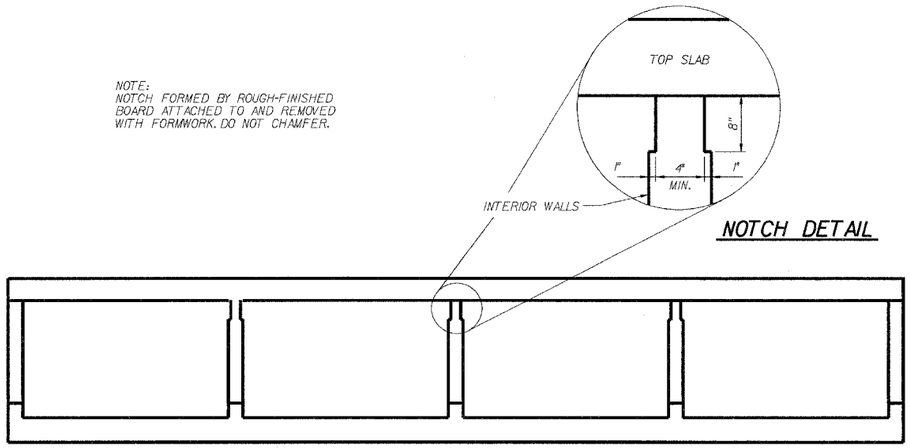
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	41
FED. ROAD DIST. NO. 12	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 10
13 SHEETS

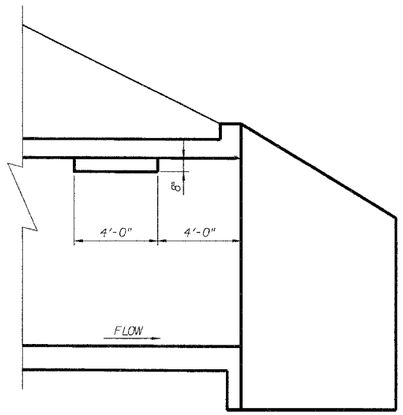
Contract # 64C84

NOTE:
NOTCH FORMED BY ROUGH-FINISHED BOARD ATTACHED TO AND REMOVED WITH FORMWORK. DO NOT CHAMFER.



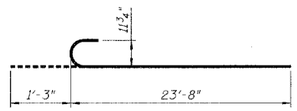
NOTCH DETAIL

SECTION THRU BARREL
NEAR DOWNSTREAM END ONLY

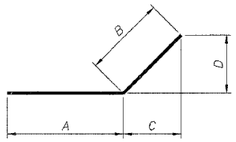


LONGITUDINAL SECTION

PHOEBE NESTING SITE DETAILS



BAR a

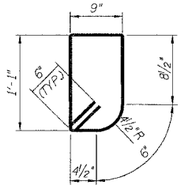


BAR h9 THRU h13

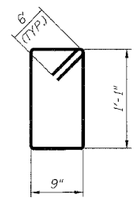
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	304	9	24'-11"	
a1	152	9	30'-3"	
a2	304	9	10'-11"	
d	42	4	4'-5"	
d1	85	4	4'-8"	
d2	43	4	4'-10"	
d3	84	4	4'-5"	
h	64	8	20'-7"	
h1	64	4	19'-5"	
h2	178	5	19'-7"	
h3	64	8	22'-10"	
h4	64	4	21'-9"	
h5	178	5	21'-11"	
h6	24	8	23'-5"	
h7	16	6	22'-5"	
h8	12	5	22'-3"	
h9	7	4	7'-11"	
h10	4	4	9'-0"	
h11	3	4	8'-5"	
h12	7	8	8'-6"	
h13	7	8	15'-10"	
v	540	6	5'-3"	
v1	1	4	8'-0"	
v2	2	4	7'-0"	
v3	1	4	5'-8"	
v4	1	4	8'-0"	
v5	2	4	7'-4"	
v6	1	4	5'-10"	
Reinforcement Bars			Pound	77,487

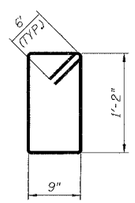
BAR	A	B	C	D
h9	5'-0"	2'-11"	1'-1½"	2'-8½"
h10	6'-0"	3'-0"	1'-1¾"	2'-9"
h11	5'-5"	3'-0"	1'-1¾"	2'-9"
h12	5'-0"	3'-6"	3'-3"	1'-4"
h13	12'-10"	3'-0"	2'-9"	1'-1¾"



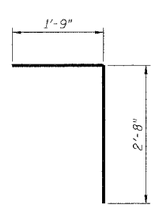
BAR d



BAR d1



BAR d2



BAR d3

DESIGNED -	WSP
CHECKED -	ASP
DRAWN -	BEM
CHECKED -	WSP

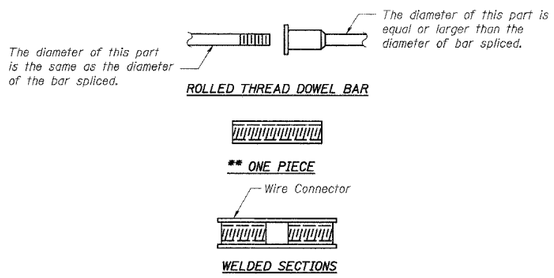
BARBILL & DETAILS
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	42
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

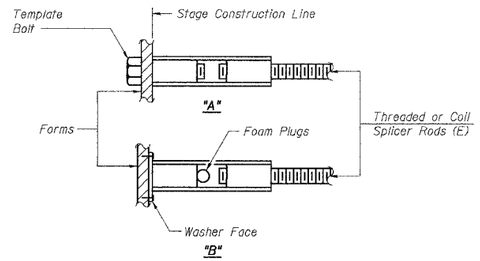
SHEET NO. 11
13 SHEETS

Contract # 64C84



BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

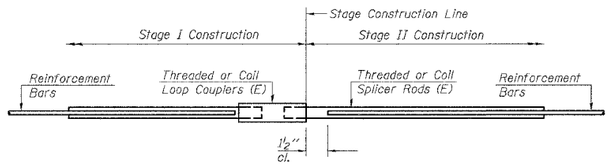
① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$

② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_y \times A_t$

Where f_y = Yield strength of lapped reinforcement bars in ksi.
A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



STANDARD

Bar Size	No. Assemblies Required	Location
#4	32	TOP SLAB
#5	89	WALLS, BOTTOM SLAB
#8	32	TOP SLAB

BAR SPLICER ASSEMBLY DETAILS

DESIGNED -	WSP
CHECKED -	ASP
DRAWN -	BEM
CHECKED -	WSP

BAR SPLICER ASSEMBLY DETAILS
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	43
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 12
13 SHEETS

Contract # 64C84

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 7/19/00

ROUTE FAS 1087 (IL 73) DESCRIPTION P-92-060-97 Culvert 1.6 miles north of McConnell Road, 1.0 mile south of Nora Road LOGGED BY C. Jenkins

SECTION 106 RS-4 LOCATION Waddams Twp. - NE, SEC. 3, TWP. 28N, RNG. 6E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.
Station 966 + 62

BORING NO. B-1b
Station 967 + 03
Offset 11.00ft Rt CL
Ground Surface Elev. 100.0 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 92.0 ft

Groundwater Elev.:
First Encounter 78.0 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				MEDIUM brown SILTY LOAM with GRAVEL
98.00				
	3			MEDIUM brown/tan SILT LOAM
	3	0.9	26	
96.50	4	P		
-5				STIFF black SILTY LOAM
	2			
	3	1.2	31	
94.00	4	P		
				MEDIUM gray/tan SILTY CLAY
	1			
	2	0.7	30	
91.50	3	B		
-10				MEDIUM gray with rust SILTY LOAM
	1			
	1	0.6	28	
89.00	3	B		
				MEDIUM blue SILTY CLAY
	0			
	1	0.6	33	
86.50	2	B		
-15				MEDIUM blue/gray SILT LOAM
	0			
	2	0.8	27	
84.00	3	B		
				SOFT gray SILT
	0			
	1	0.4	32	
	2	B		
81.00				
-20				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	1			MEDIUM gray weathered LIMESTONE (continued)
79.00	2			
	10			
	5			MEDIUM gray weathered LIMESTONE with SOIL lens
	2			
76.00	9			
-25	6			VERY STIFF brown CLAY
	5	3.9	25	
74.00	8	B		
	6			MEDIUM gray fine grained SAND
	9			Begin first wash
71.00	14			
-30	5			STIFF brown SILTY CLAY
	6	1.7	29	
69.00	9	B		
	3			Wash
	4	1.7	33	STIFF brown SILTY CLAY
66.50	7	B		
-35	3			Wash
	3	1.8	34	STIFF brown SILTY CLAY
64.00	4	S		
	3			Wash
	5	2.9	30	VERY STIFF brown SILTY CLAY
61.50	6	B		
-40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 7/19/00

ROUTE FAS 1087 (IL 73) DESCRIPTION P-92-060-97 Culvert 1.6 miles north of McConnell Road, 1.0 mile south of Nora Road LOGGED BY C. Jenkins

SECTION 106 RS-4 LOCATION Waddams Twp. - NE, SEC. 3, TWP. 28N, RNG. 6E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.
Station 966 + 62

BORING NO. B-1b
Station 967 + 03
Offset 11.00ft Rt CL
Ground Surface Elev. 100.0 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 92.0 ft

Groundwater Elev.:
First Encounter 78.0 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
	4			Wash
	5	1.5	27	STIFF gray SILTY LOAM (continued)
59.00	7	P		
				Wash
	0			MEDIUM gray SILT
	1	0.7	28	
56.50	3	P		End of Boring
-45				
-50				
-55				
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

DESIGNED -	ASP
CHECKED -	WSP
DRAWN -	BEM
CHECKED -	ASP

BORING LOG
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	44
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 13
13 SHEETS

Contract # 64C84

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 7/20/00

ROUTE FAS 1087 (IL 73) DESCRIPTION P-92-060-97 Culvert 1.6 miles north of McConnell Road LOGGED BY C. Jenkins

SECTION 106 RS-4 LOCATION Waddams Twp. - NE, SEC. 3, TWP. 28N, RNG. 6E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.
Station 966 + 62

BORING NO. B-2b
Station 966 + 21
Offset 11.00ft Lt CL
Ground Surface Elev. 99.2 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 92.0 ft

Groundwater Elev.:
First Encounter 82.2 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
		0.7 P	19	MEDIUM brown SILTY LOAM with some GRAVEL
97.20				
	1 2 4	0.7 P	28	MEDIUM brown/black SILTY CLAY
95.70				
-5	2 2 3	0.7 B	30	MEDIUM brown/gray SILTY CLAY
93.20				
	1 2 3	0.7 B	30	MEDIUM gray with rust SILTY CLAY
90.70				
-10	1 1 2	0.4 B	32	SOFT gray with rust SILTY LOAM
88.20				
	1 1 3	0.7 B	29	MEDIUM blue/gray SILTY LOAM
85.70				
-15	0 1 2	0.3 B	32	SOFT gray/blue SILTY LOAM
82.70				
	6 9 10			MEDIUM tan SAND & GRAVEL with LIMESTONE fragments
80.70				
-20				

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	6 9 10			MEDIUM tan SAND & GRAVEL with LIMESTONE fragments (continued)
77.70				
	3 4 7	2.1 B	25	VERY STIFF gray SILTY CLAY
-25	4 7 9	2.5 B	25	
73.20				
	3 5 6	2.1 S	32	VERY STIFF brown SILTY CLAY
-30	3 3 5	2.0	31	
68.20				
	3 5 6	3.1 S	30	VERY STIFF brown/gray SILTY CLAY
65.70				
-35	3 4 5	0.3 P	27	SOFT gray/black SILTY LOAM
63.20				
	2 3 4	0.5 P	26	MEDIUM gray/black SILTY LOAM
60.70				
-40				SOFT gray SILT

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 7/20/00

ROUTE FAS 1087 (IL 73) DESCRIPTION P-92-060-97 Culvert 1.6 miles north of McConnell Road LOGGED BY C. Jenkins

SECTION 106 RS-4 LOCATION Waddams Twp. - NE, SEC. 3, TWP. 28N, RNG. 6E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.
Station 966 + 62

BORING NO. B-2b
Station 966 + 21
Offset 11.00ft Lt CL
Ground Surface Elev. 99.2 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 92.0 ft

Groundwater Elev.:
First Encounter 82.2 ft ▼
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
	3 3 6	0.3 S	30	SOFT gray SILT (continued)
57.70				
	2 7 8			MEDIUM tan fine grained SAND
55.70				
-45				End of Boring
-50				
-55				
-60				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

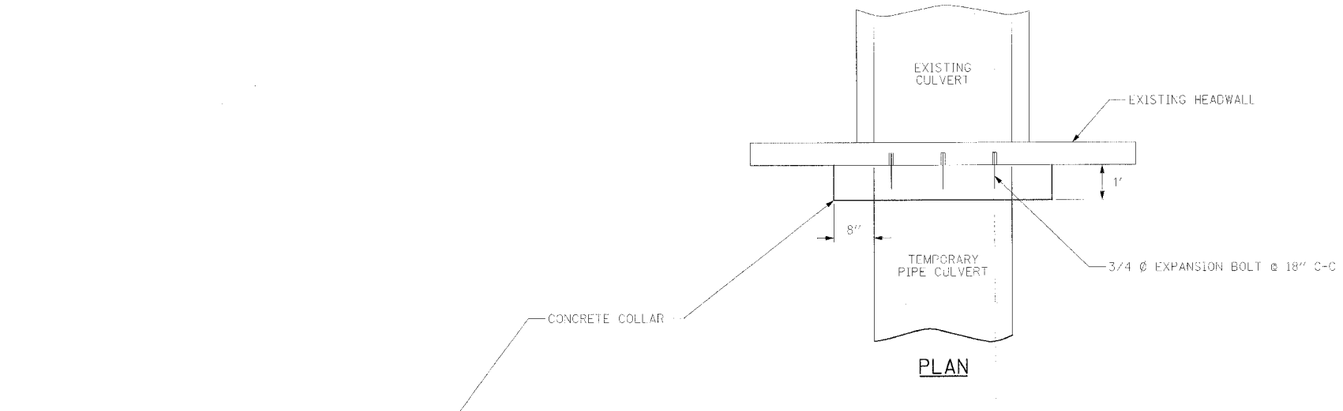
BBS, from 137 (Rev. 8-99)

DESIGNED -	ASP
CHECKED -	WSP
DRAWN -	BEM
CHECKED -	ASP

BORING LOG
F.A.S. 1087 IL. RTE. 73 OVER
UNAMED TRIBUTARY TO PECATONICA RIVER
SECTION 106T-1
STEPHENSON COUNTY
STATION 966+60.00
STRUCTURE NO. 089-1109

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN

SIDE

FRONT

GENERAL NOTES:

CONCRETE COLLARS SHALL BE CONSTRUCTED OF CLASS SI CONCRETE IN ACCORDANCE WITH SECTION 503 OF THE STANDARD SPECIFICATIONS.

THE CONCRETE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR. EXPANSION BOLTS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR EXPANSION BOLTS OF THE SIZE INDICATED, WHICH PRICE SHALL INCLUDE FURNISHING, DRILLING HOLES, AND INSTALLING THE EXPANSION BOLTS COMPLETE IN PLACE. THE BOLTS SHALL EXTEND AT LEAST 8 INCHES INTO THE NEW CONCRETE.

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CONCRETE COLLAR DETAIL

IL RTE 73 CULVERT REPLACEMENTS

SCALE: VERT.: N.A.
HORIZ.: N.A.
DATE : OCTOBER 1, 2007

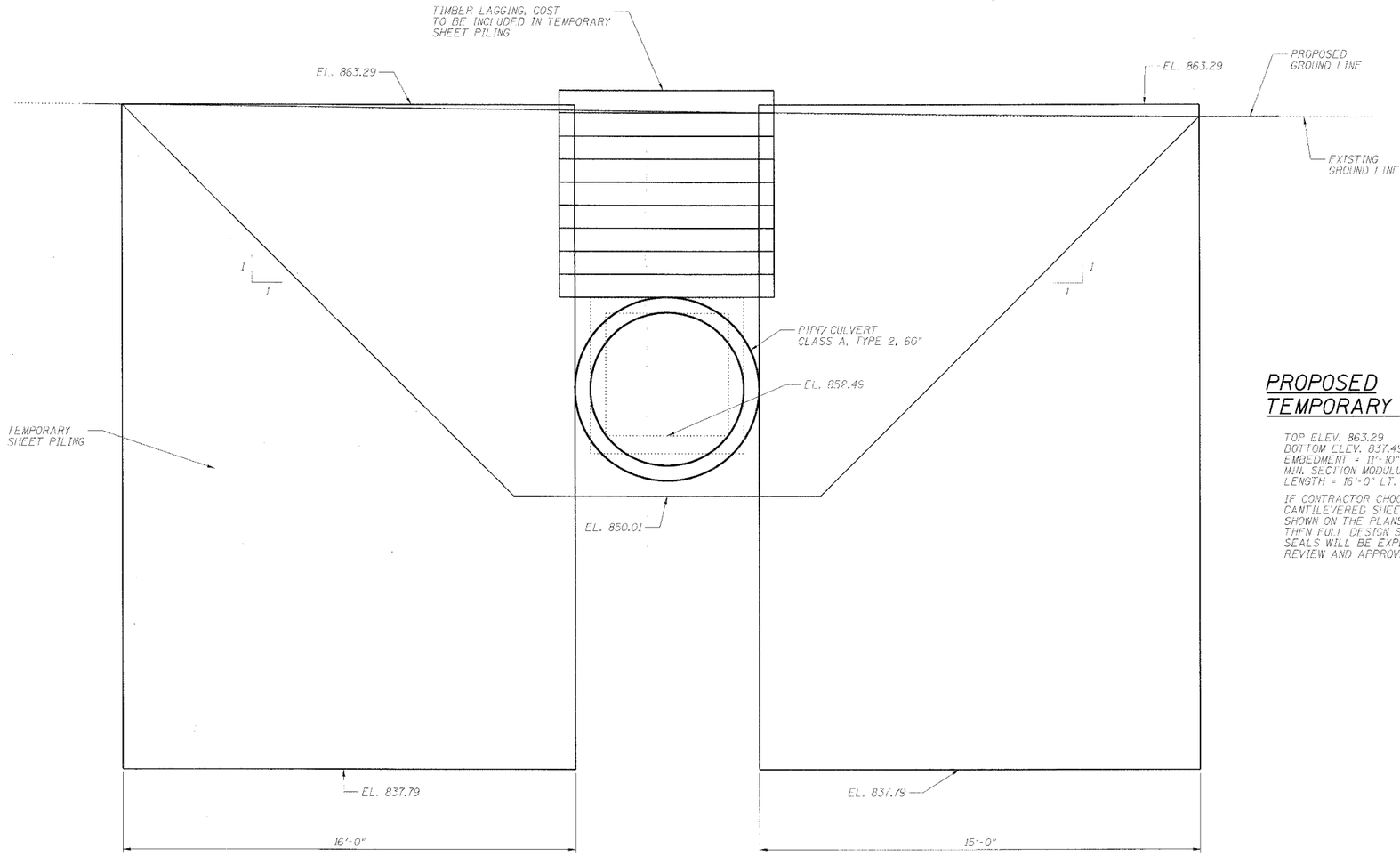
DRAWN BY: DLZ
CHECKED BY: GB

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	46
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT	

SHEET NO. 01
04 SHEETS

Contract # 64C84



PROPOSED TEMPORARY SHEET PILING DATA

TOP ELEV. 863.29
BOTTOM ELEV. 837.49
EMBEDMENT = 11'-10"
MIN. SECTION MODULUS = 18.2 IN³/FT
LENGTH = 16'-0" LT. SIDE, 15' 0" RT. SIDE

IF CONTRACTOR CHOOSES TO ALTER THE TEMPORARY CANTILEVERED SHEET PILING DESIGN REQUIREMENTS SHOWN ON THE PLANS FOR LESSER DESIGN REQUIREMENTS, THEN FULL DESIGN SUBMITTALS WITH THE REQUIRED SEALS WILL BE EXPECTED BY THE DEPARTMENT, FOR REVIEW AND APPROVAL.

TEMPORARY SHEET PILING

DESIGNED -	WSP
CHECKED -	ASP
DRAWN -	BEM
CHECKED -	WSP

- 200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

TEMPORARY SHEET PILING DETAIL
F.A.S. 1087 (IL. RTE. 73)
SECTION 106T-1
STEPHENSON COUNTY
STATION 1044+62.44

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

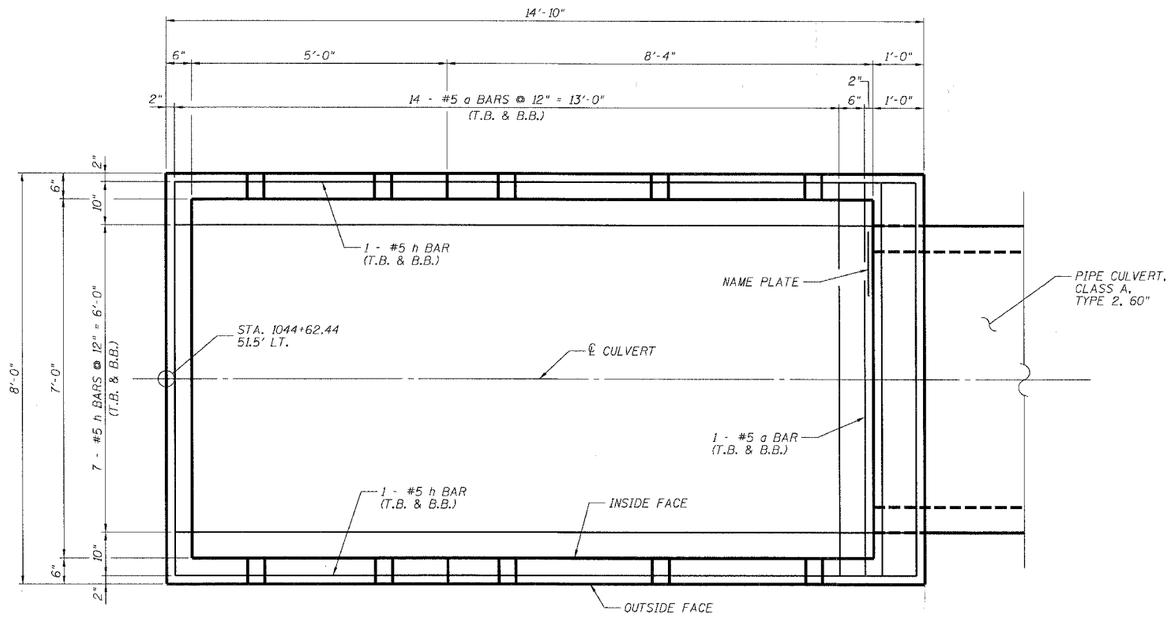
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	47
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 02
04 SHEETS

Contract # 64C84

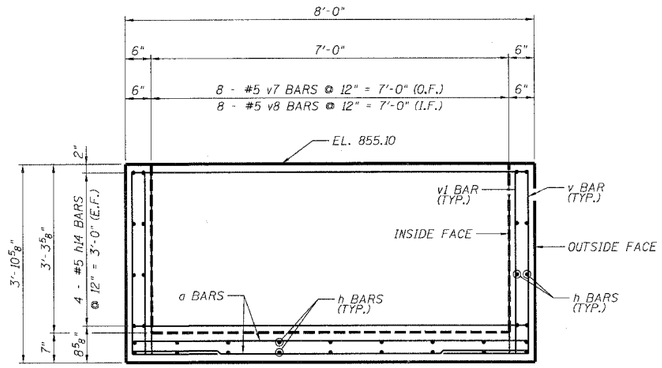
TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
REMOVAL OF EXISTING STRUCTURE NO. 2	EACH	1
TEMPORARY SHEET PILING	SQ. FT.	960
DROP BOX NO. 1	EACH	1
NAME PLATES	EACH	1



BOTTOM SLAB

NOTE:
FIELD CUT h BARS WHERE NECESSARY TO AVOID INTERFERENCE WITH PIPE CULVERT.



BACK WALL

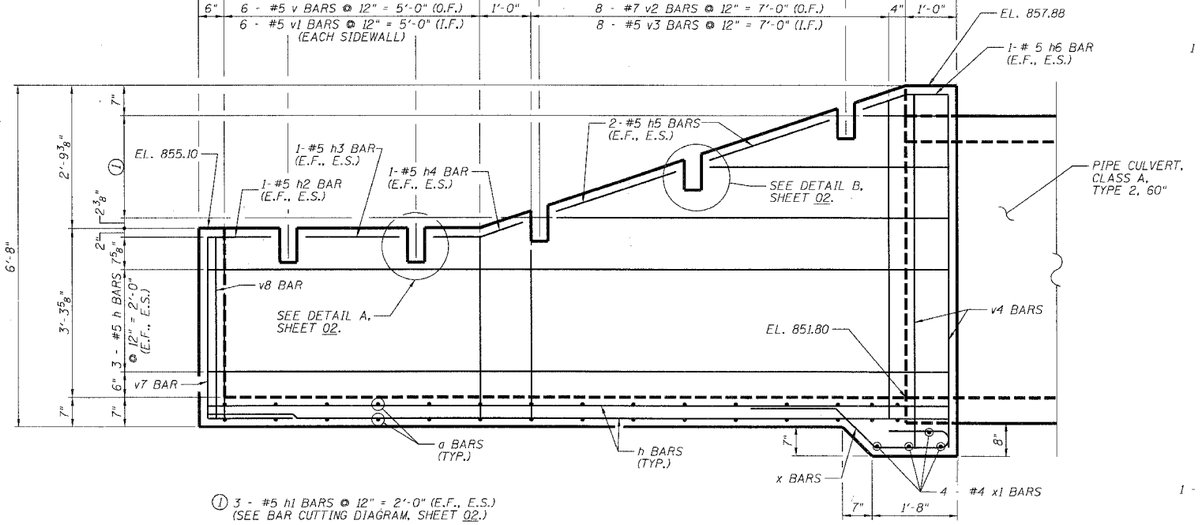
STATION 1044+62.44
BUILT 200_ BY
STATE OF ILLINOIS
IL 73 SECT. 106T-1
LOADING HS20
STR. NO. 089-1108

NAME PLATE

NOTE: SEE STANDARD DRAWING 515001 FOR NAME PLATE DETAILS.

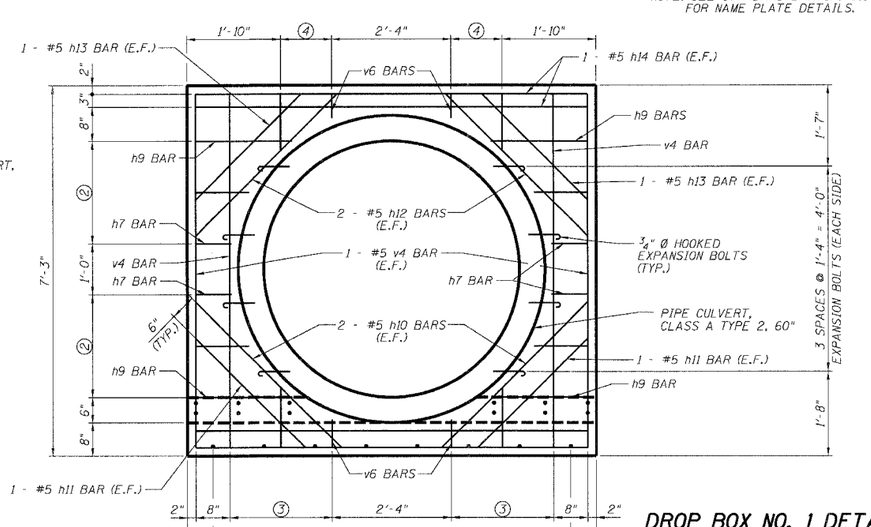
LEGEND

I.F. = INSIDE FACE
O.F. = OUTSIDE FACE
E.F. = EACH FACE
T.B. = TOP OF BOTTOM SLAB
B.B. = BOTTOM OF BOTTOM SLAB
E.S. = EACH SIDE



① 3 - #5 h1 BARS @ 12" = 2'-0" (E.F., E.S.)
(SEE BAR CUTTING DIAGRAM, SHEET 02.)

SIDEWALL



② 1 EACH - #5 h7 THRU h9 BARS @ 12" = 2'-0" (E.F., E.S.)
③ 1 EACH - #5 v4 THRU v6 BARS @ 12" = 2'-0" (E.F.)
④ 1 EACH - #5 v5 THRU v6 BARS @ 12" = 1'-0" (E.F.)

HEADWALL

DESIGNED	-	ASP
CHECKED	-	WSP
DRAWN	-	BEM
CHECKED	-	ASP

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

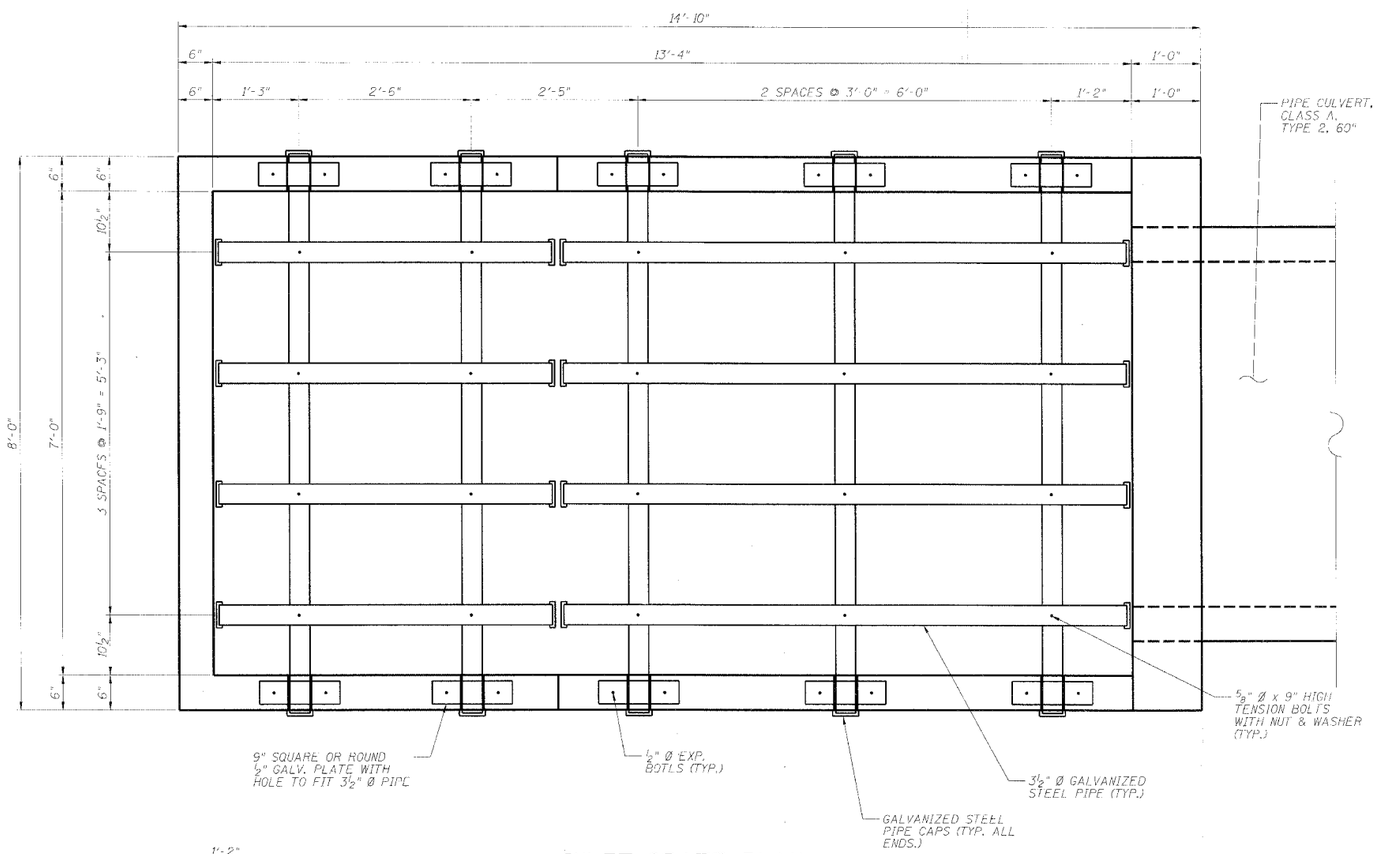
DROP BOX NO. 1 DETAILS
F.A.S. 1087 (IL. RTE. 73)
SECTION 106T-1
STEPHENSON COUNTY
STATION 1044+62.44

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

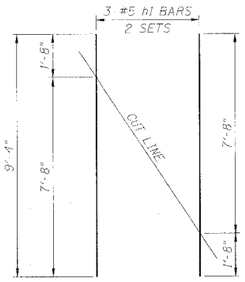
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	18
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT	

SHEET NO. 03
04 SHEETS

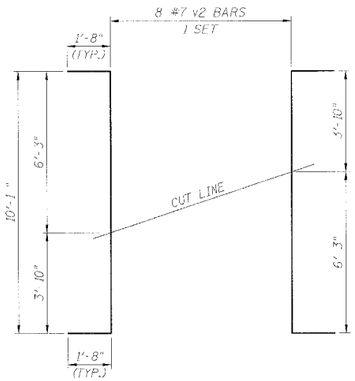
Contract # 64C84



INLET GRATE PLAN



BARS h1



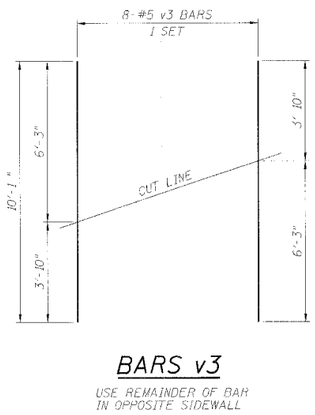
BARS v2

USE REMAINDER OF BAR IN OPPOSITE SIDEWALL

* BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	30	5	7'-8"	
h	30	5	14'-6"	
h1	6	5	9'-4"	
h2	4	5	1'-3"	
h3	4	5	1'-10"	
h4	4	5	1'-9"	
h5	8	5	2'-5"	
h6	4	5	1'-8"	
h7	8	5	0'-8"	
h8	8	5	1'-0"	
h9	8	5	1'-10"	
h10	4	5	4'-0"	
h11	4	5	3'-0"	
h12	4	5	3'-11"	
h13	4	5	2'-11"	
h14	12	5	7'-8"	
v	12	5	5'-2"	
v1	12	5	3'-6"	
v2	8	7	13'-5"	
v3	8	5	10'-1"	
v4	8	5	6'-11"	
v5	8	5	1'-2"	
v6	8	5	0'-6"	
v7	8	5	5'-2"	
v8	8	5	3'-6"	
x	8	4	5'-10"	
x1	4	4	7'-8"	
Reinforcement Bars		Pound	1,590	

* TO BE INCLUDED IN UNIT PRICE BID FOR DROP BOX NO. 1

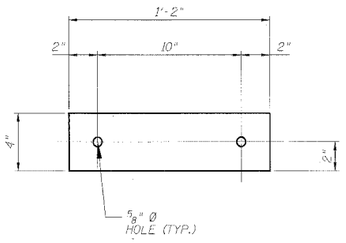


BARS v3

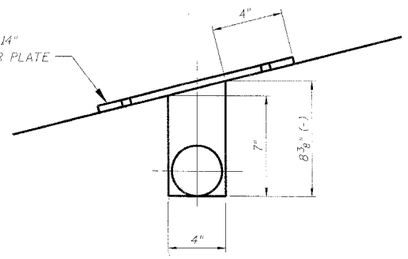
USE REMAINDER OF BAR IN OPPOSITE SIDEWALL

GENERAL NOTES

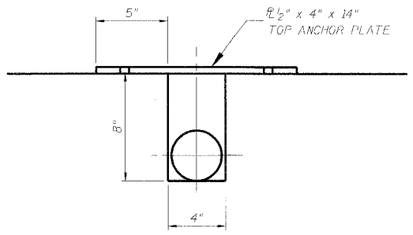
1. STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40, & SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120.
2. STEEL PLATES SHALL CONFORM TO AASHTO M-183 & SHAL BE CALVANIZED CONFORMING TO AASHTO M-111.
3. BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WIT ARTICLE 1006.08 OF THE STANDARD SPECIFICATIONS AND SHALL BE GALVANIZED.
4. THE CONTRACT UNIT PRICE "EACH" FOR DROP BOX NO. 1 SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED PIPES, BOLTS, NUTS, REINFORCEMENT, WASHERS AND STEEL PLATES.



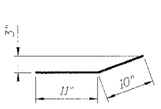
TOP ANCHOR PLATE



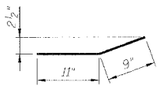
DETAIL B



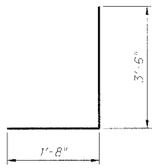
DETAIL A



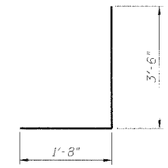
BAR h4



BAR h4



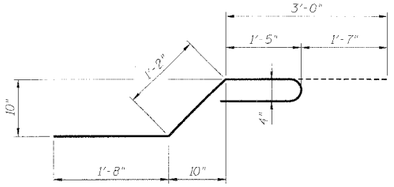
BAR v



BAR v7

ITEM	UNIT	QUANTITY
3½" Ø GALV. STEEL PIPE	EACH	5 @ 8'-1" 4 @ 4'-10" 4 @ 8'-5"
½" x 4" x 14" GALV. ANCHOR PLATE	EACH	10
⅝" Ø x 9" GALV. BOLTS	EACH	20
½" Ø GALV. EXP. BOLTS	EACH	20
9" SQ. OR ROUND ½" GALV. PLATE	EACH	10
GALV. STEEL PIPE CAPS	EACH	26

* FOR INFORMATION ONLY. COST TO BE INCLUDED IN UNIT PRICE BID FOR DROP BOX NO. 1



BAR x

DESIGNED -	ASP
CHECKED -	WSP
DRAWN -	BEM
CHECKED -	ASP

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

DROP BOX NO. 1 DETAILS
F.A.S. 1087 (IL. RTE. 73)
SECTION 106T-1
STEPHENSON COUNTY
STATION 1044+62.44

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 1087	106T-1	STEPHENSON	78	49
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 04
04 SHEETS

Contract # 64C84

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 7/31/06

ROUTE FAP 1087 DESCRIPTION P92-018-07 Culvert on IL 73, .2 m. S. of Gore Road LOGGED BY W. Garza

SECTION 106 T-1 LOCATION Winslow Twp. - 26 SW, SEC. , TWP. 29N, RNG. 6E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 089-1022
Station 1044+48

BORING NO. B-1
Station 1044+30
Offset 8.00ft Lt CL
Ground Surface Elev. 99.7 ft

Surface Water Elev. ft
Stream Bed Elev. 91.2 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After ____ Hrs. ft

DEPTH (ft)		BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
97.20	Asphalt			
	STIFF brown SILTY CLAY LOAM		1.1 P	16
95.70	MEDIUM tan weathered LIMESTONE fill	7 6 5		
93.20	STIFF gray/dark gray SILTY CLAY LOAM	4 5 7	1.5 P	25
90.70	STIFF gray SILTY LOAM	4 6 10	1.7 S	17
88.20	VERY STIFF gray SILTY LOAM	2 7 11	3.0 P	19
85.70	MEDIUM gray SILTY CLAY LOAM	3 3 7	0.8 B	26
83.20	STIFF dark gray SILTY CLAY LOAM	3 4 6	1.9 B	27
80.70	VERY STIFF gray SILTY CLAY	2 3 6	2.5 B	22
78.20	VERY STIFF redish brown CLAY LOAM	5 7 8	3.3 S	20
75.70	VERY STIFF redish brown CLAY LOAM with LIMESTONE fragments	5 5 8	2.3 S	26
72.70	VERY SOFT brown SILTY LOAM, bottom weathered LIMESTONE	1 2 5	0.0 P	94
70.70	VERY DENSE tan weathered LIMESTONE	100/1		
	End of Boring			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 1

Date 7/31/06

ROUTE FAP 1087 DESCRIPTION P92-018-07 Culvert on IL 73, .2 m. S. of Gore Road LOGGED BY W. Garza

SECTION 106 T-1 LOCATION Winslow Twp. - 26 SW, SEC. , TWP. 29N, RNG. 6E

COUNTY Stephenson DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 089-1022
Station 1044+48

BORING NO. B-2
Station 1044+66
Offset 8.00ft Rt CL
Ground Surface Elev. 99.9 ft

Surface Water Elev. ft
Stream Bed Elev. 91.5 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After ____ Hrs. ft

DEPTH (ft)		BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
97.40	Asphalt			
	MEDIUM brown SANDY LOAM		0.9 P	19
95.90	STIFF brown weathered LIMESTONE fill with LOAM	8 4 4	2.0 P	19
93.40	VERY STIFF gray SILTY CLAY LOAM	5 6 8	3.7 B	20
90.90	STIFF gray SILTY CLAY LOAM	4 5 6	1.6 P	24
88.40	MEDIUM/STIFF gray SILTY LOAM	2 3 4	1.0 B	23
85.90	STIFF dark gray SILTY LOAM	2 4 6	1.5 P	29
83.40	STIFF dark gray SILTY LOAM	3 3 7	1.0 B	28
80.90	STIFF gray SILTY CLAY	1 2 5	1.5 B	27
78.40	STIFF brown CLAY LOAM	3 4 5	1.3 B	28
75.40	STIFF redish brown CLAY LOAM with LIMESTONE fragments	4 5 7	1.9 B	27
73.40	MEDIUM tan weathered LIMESTONE	3 8 13		
70.90	VERY DENSE tan weathered LIMESTONE	100/4		
	End of Boring			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

DESIGNED -	ASP
CHECKED -	WSP
DRAWN -	LNB
CHECKED -	ASP

200

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES

BORING LOG
F.A.S. 1087 (IL. RTE. 73)
SECTION 106T-1
STEPHENSON COUNTY
STATION 1044+62.44

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	10GI-1	STEPHENSON	78	50
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM WATER POLLUTION PREVENTION PLAN
EROSION CONTROL PLAN

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME: THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001-03 OF THE PLANS.

SITE DESCRIPTION
DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF THE REMOVAL AND REPLACEMENT OF TWO BOX CULVERTS.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:
THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 3.973 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 1.583 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 2.956 ACRES

SUPPORTING REPORTS AND PLANS
THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE:

UN-NAMED TRIBUTARY TO THE PECATONICA RIVER

EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES
STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:
PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

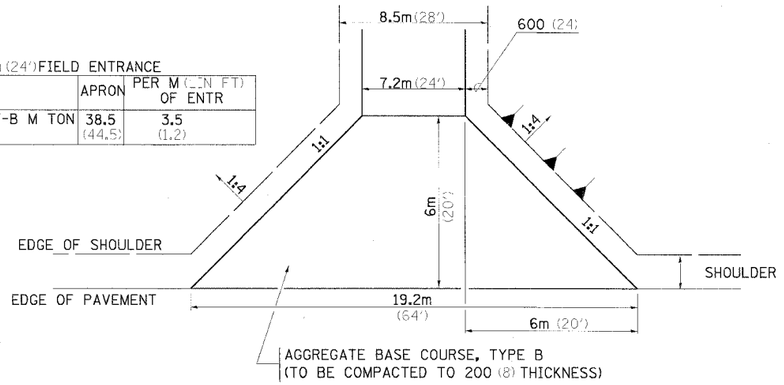
PLOT DATE = #DATE#
FILE NAME = #FILE1#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

REVISED 5-12-04

CONTRACT NO. 64C84

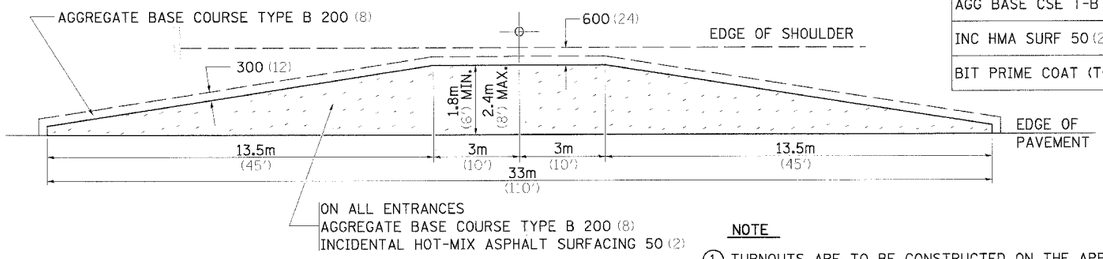
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	___106I-1___	_STEPHENSON	78	51
STA. _____		TO STA._____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS



	APRON	PER M (_IN FT) OF ENTR
AGG BASE CSE T-B M TON (TON)	38.5 (44.5)	3.5 (1.2)

FIELD ENTRANCE

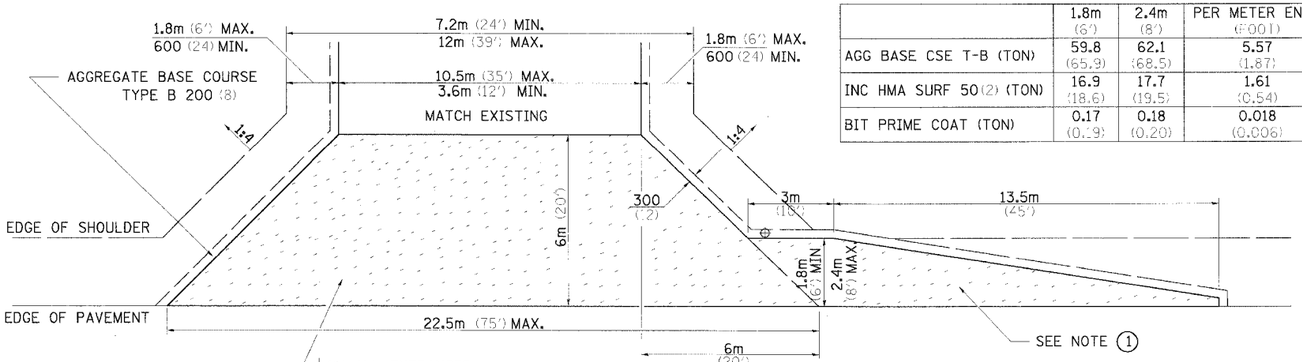


MAILBOX TURNOUT

	1.8m (6')	2.4m (8')
AGG BASE CSE T-B (TON)	22.2 (24.5)	28.2 (31.1)
INC HMA SURF 50 (2) (TON)	5.3 (5.8)	7.1 (7.8)
BIT PRIME COAT (TON)	0.05 (0.06)	0.07 (0.08)

NOTE

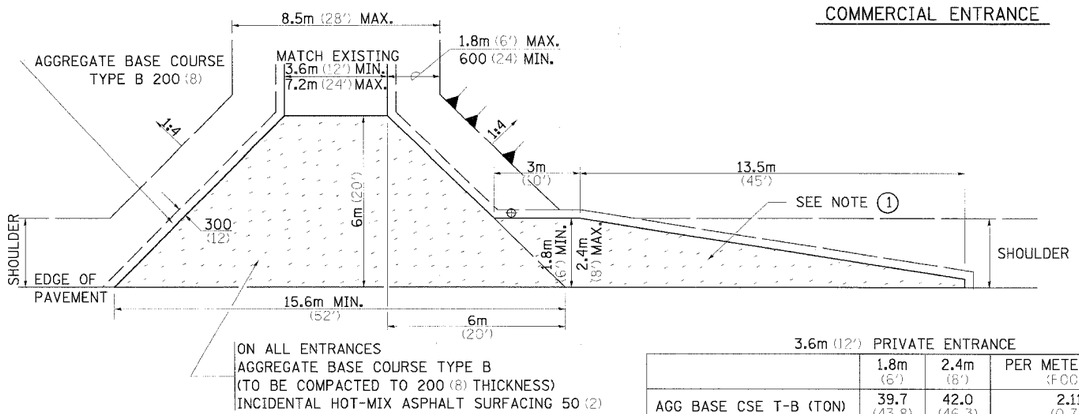
1. TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
2. ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
3. FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
4. QUANTITIES ARE CALCULATED WITH 1' BITUMINOUS SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
5. EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCIDENTAL TO THE AGGREGATE BASE COURSE.
6. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



COMMERCIAL ENTRANCE

10.5m (35') COMMERICAL ENTRANCE

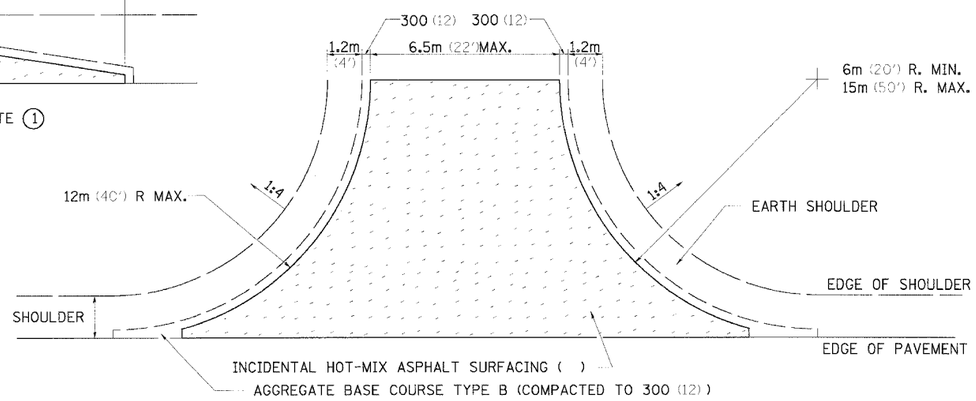
	1.8m (6')	2.4m (8')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	59.8 (65.9)	62.1 (68.5)	5.57 (1.87)
INC HMA SURF 50 (2) (TON)	16.9 (18.6)	17.7 (19.5)	1.61 (0.54)
BIT PRIME COAT (TON)	0.17 (0.19)	0.18 (0.20)	0.018 (0.006)



PRIVATE ENTRANCE

3.6m (12') PRIVATE ENTRANCE

	1.8m (6')	2.4m (8')	PER METER ENTR (FOOT)
AGG BASE CSE T-B (TON)	39.7 (43.8)	42.0 (46.3)	2.11 (0.71)
INC HMA SURF 50 (2) (TON)	10.7 (11.8)	11.5 (12.7)	0.57 (0.19)
BIT PRIME COAT (TON)	0.11 (0.12)	0.18 (0.13)	0.006 (0.002)



SIDE ROAD RETURN

	6m RADIUS (20')			9m RADIUS (30')			12m RADIUS (40')		
	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')	5.5m (18')	6m (20')	6.5m (22')
AGG BASE CSE T-B (TON)	40.9 (45.1)	43.7 (48.2)	46.4 (51.2)	70.3 (77.5)	74.4 (82.0)	78.6 (86.6)	105.5 (116.3)	111.0 (122.4)	116.6 (128.5)
INC HMA SURF AT 25 (1) (TON)	3 (3.3)	3.3 (3.6)	3.4 (3.8)	5.3 (5.8)	5.5 (6.1)	5.9 (6.5)	8.0 (8.8)	8.4 (9.3)	9.0 (9.9)
BIT PRIME COAT (TON)	0.07 (0.08)	0.08 (0.09)	0.10 (0.10)	0.14 (0.15)	0.15 (0.16)	0.15 (0.17)	0.20 (0.22)	0.22 (0.24)	0.23 (0.25)

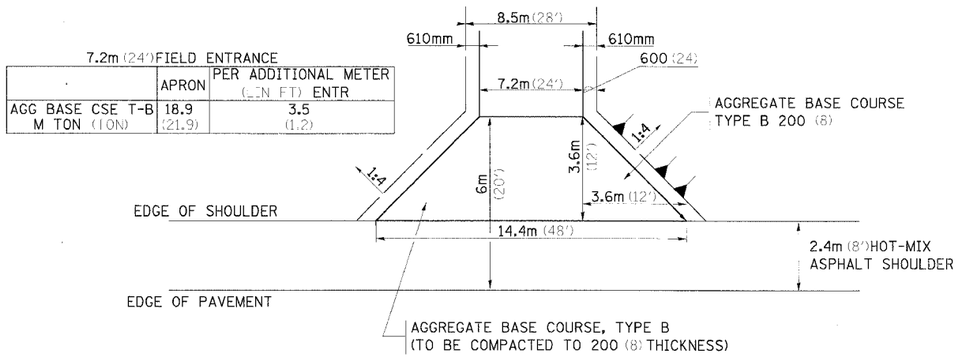
NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
REFERENCE = REF

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	1061:1	STEPHENSON	78	52
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

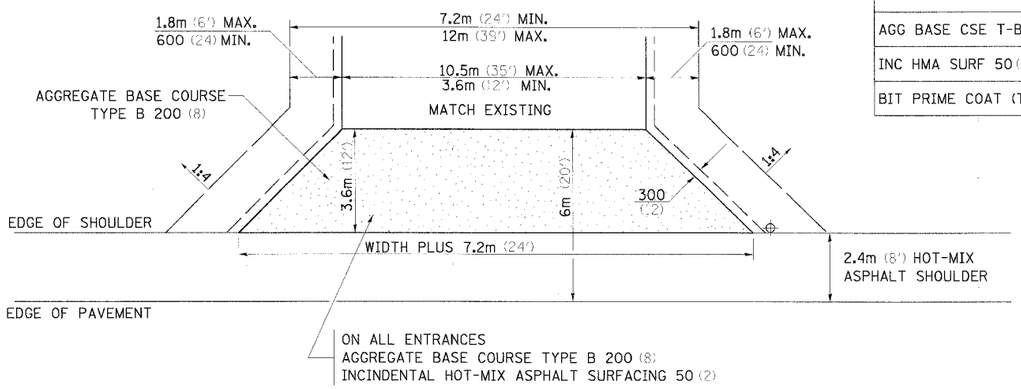
ENTRANCE AND SIDEROADS WITH 2.4m (8') HOT-MIX ASPHALT SHOULDERS



7.2m (24') FIELD ENTRANCE

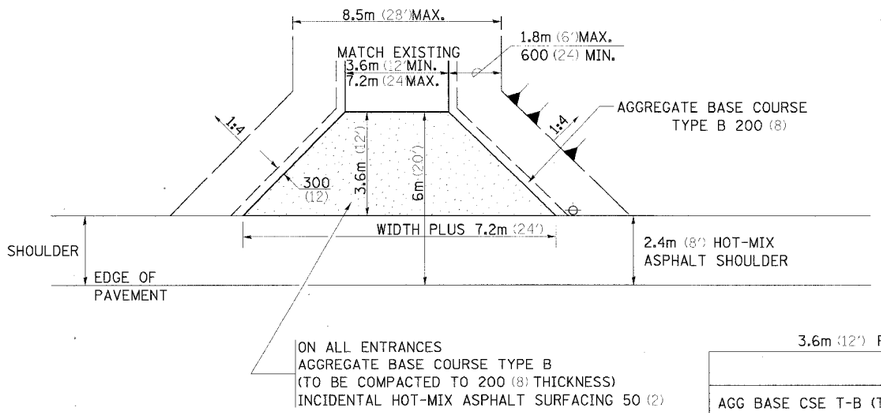
	APRON	PER ADDITIONAL METER (IN FT) ENTR
AGG BASE CSE T-B M TON (TON)	18.9 (21.9)	3.5 (1.2)

FIELD ENTRANCE



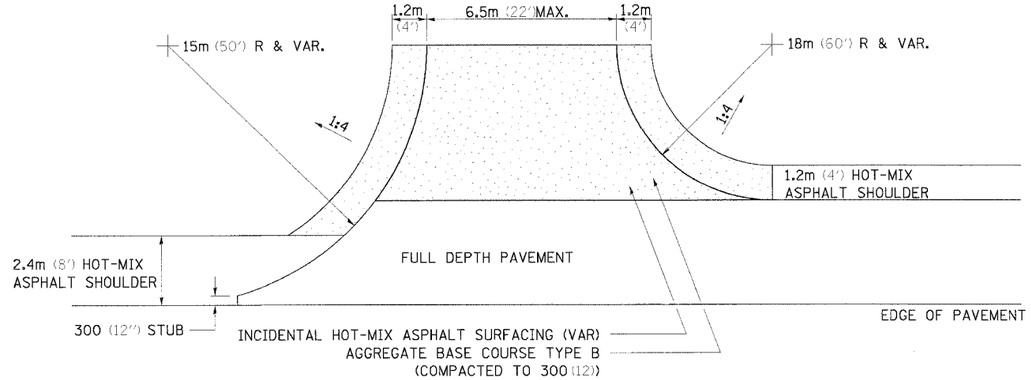
COMMERICAL ENTRANCE

	3.6m (12')	10.5m (35')	PER METER ENTR (FOOT) 3.6m (12')	10.5m (35')
AGG BASE CSE T-B (TON)	14.3 (15.8)	27.0 (29.8)	0.64 (0.70)	1.70 (1.87)
INC HMA SURF 50 (2) (TON)	3.3 (3.6)	6.35 (7.0)	0.14 (0.15)	0.40 (0.44)
BIT PRIME COAT (TON)	0.042 (0.046)	0.082 (0.090)	0.002 (0.002)	0.005 (0.006)



PRIVATE ENTRANCE

3.6m (12') PRIVATE ENTRANCE	3.6m (12')	7.2m (24')	PER METER ENTR (FOOT) 3.6m (12')	7.2m (24')
AGG BASE CSE T-B (TON)	14.3 (15.8)	21.0 (23.1)	0.64 (0.70)	1.20 (1.32)
INC HMA SURF 50 (2) (TON)	3.3 (3.6)	4.9 (5.4)	0.14 (0.15)	0.27 (0.30)
BIT PRIME COAT (TON)	0.042 (0.046)	0.063 (0.069)	0.002 (0.002)	0.004 (0.004)



SIDE ROAD RETURN

	6m RADIUS (20')			9m RADIUS (30')			12m RADIUS (40')		
AGG BASE CSE T-B (TON)									
INC HMA SURF AT 25 (2) (TON)									
BIT PRIME COAT (TON)									

NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS

NOTE

1. ALL PE & CE ARE TO BE INCIDENTAL HOT-MIX ASPHALT SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
2. FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
3. QUANTITIES ARE CALCULATED WITH 2.4m HOT-MIX ASPHALT SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
4. EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCIDENTAL TO THE AGGREGATE BASE COURSE.
5. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

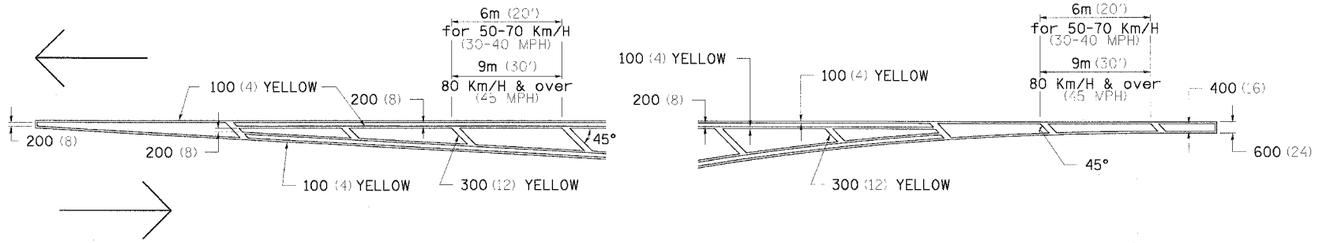
PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

CONTRACT NO. 64C84

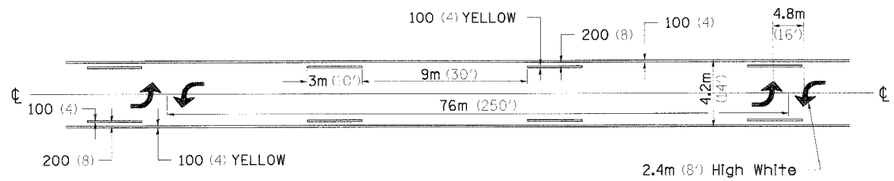
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	53
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TYPICAL PAVEMENT MARKINGS

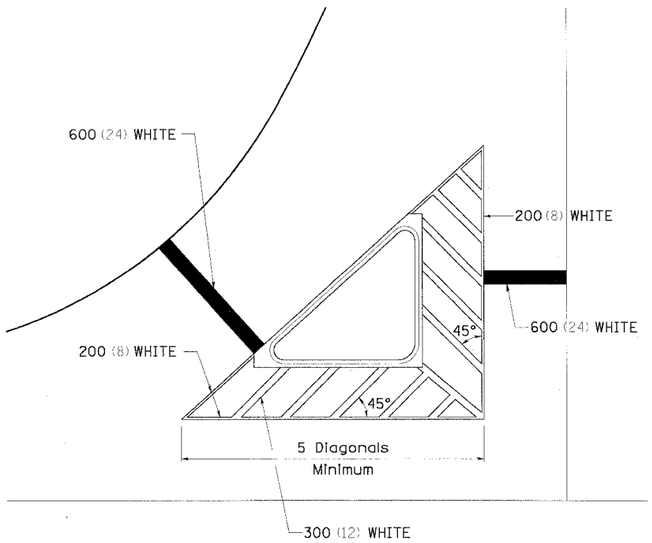
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



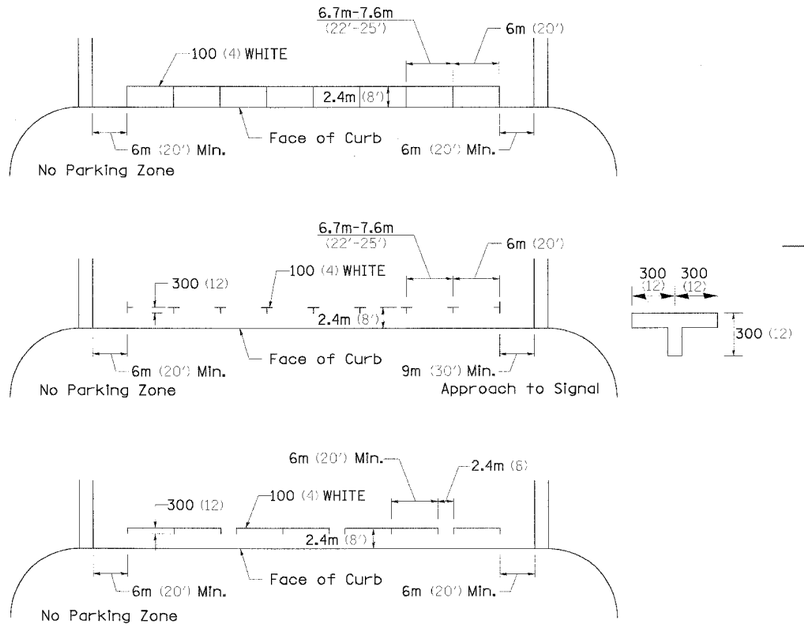
MEDIAN PAVEMENT MARKING



TYPICAL ISLAND OFFSET SHOULDER WIDTH



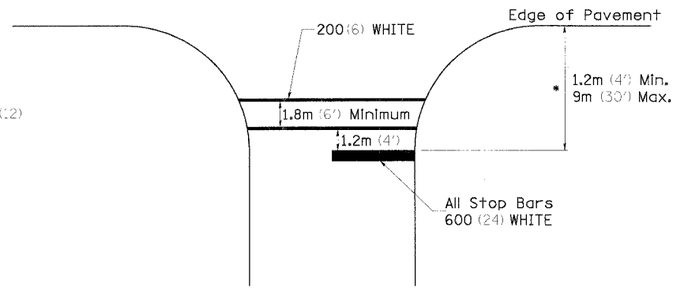
TYPICAL PARKING SPACING



** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

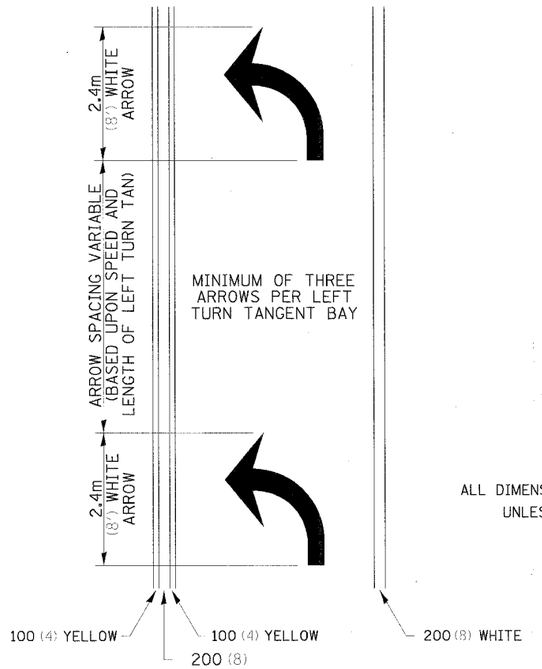
PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
REFERENCE = REF

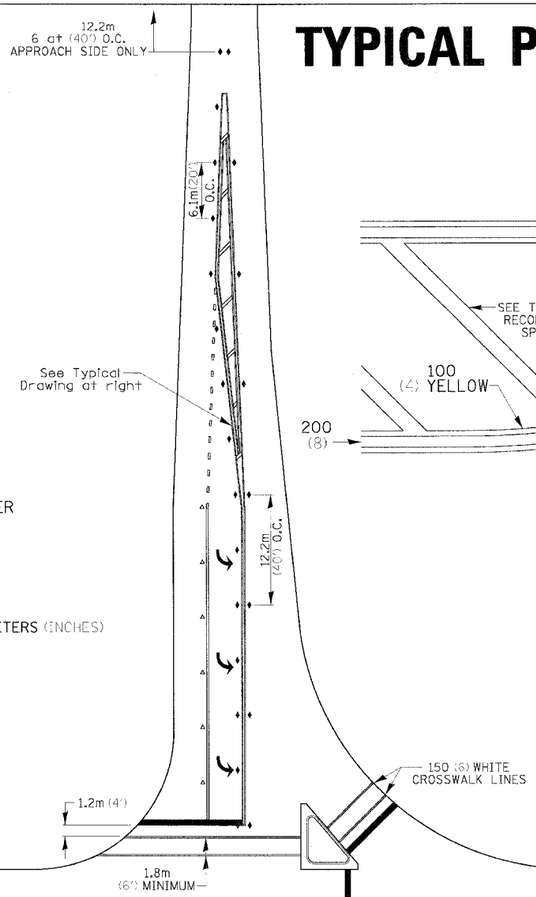
CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	54
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

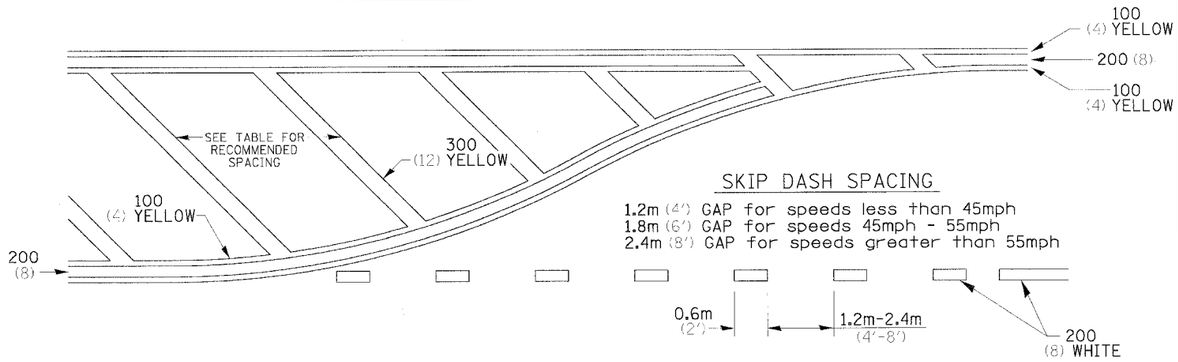




◀ ONE-WAY AMBER MARKER
◁ ONE-WAY CRYSTAL MARKER
◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

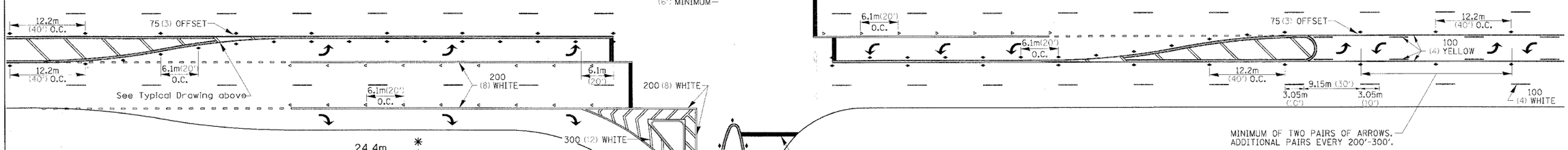
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN

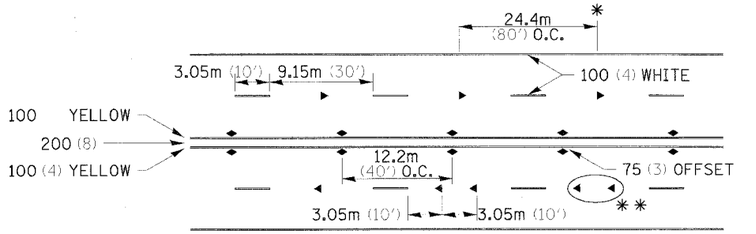


RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.

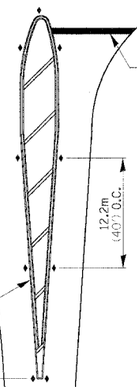




* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

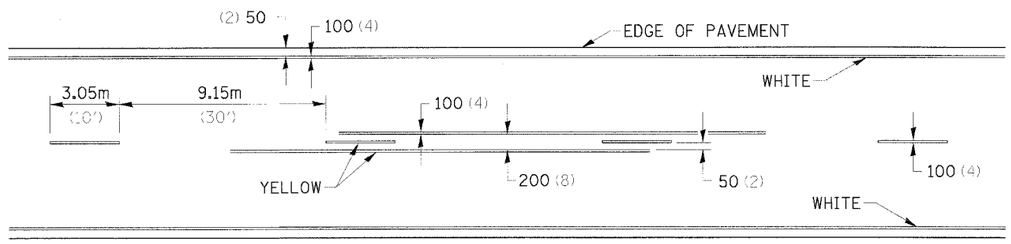
** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

SYMBOLS



MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



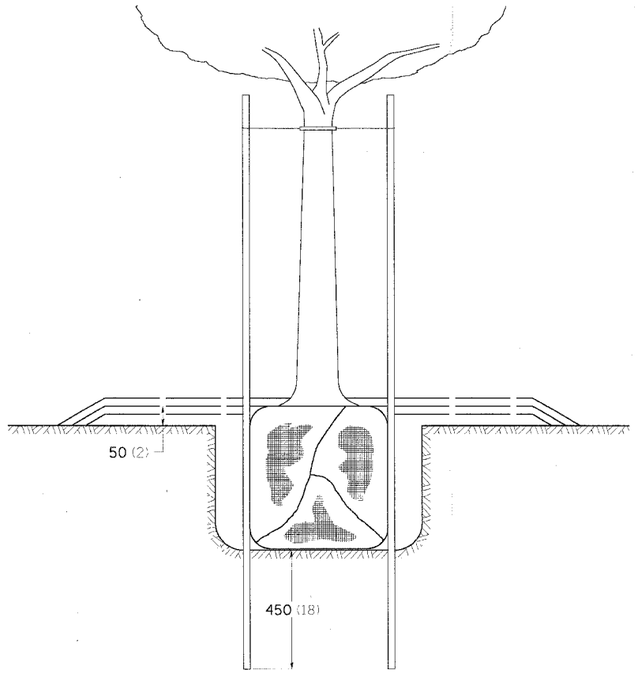
PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
REFERENCE = REF

REVISED 7-20-06

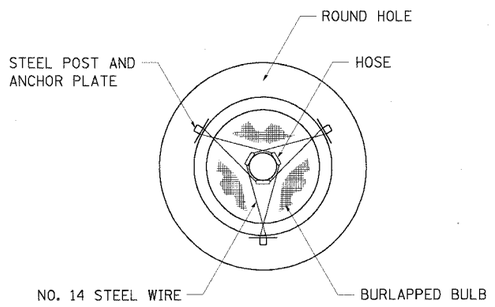
CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	55
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAILS OF PLANTING AND BRACING TREES

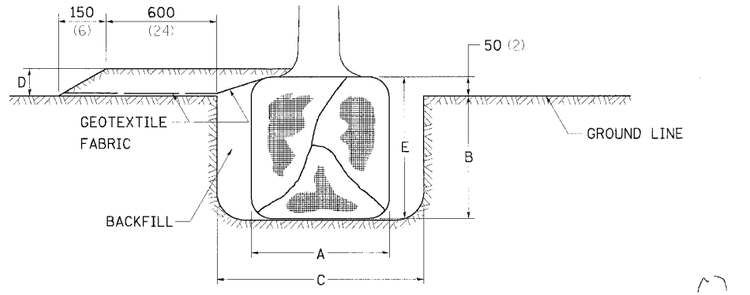


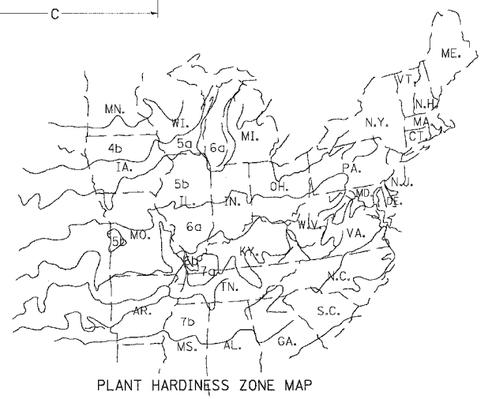
TREES SMALLER THAN 115 (4½) IN DIAMETER



SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

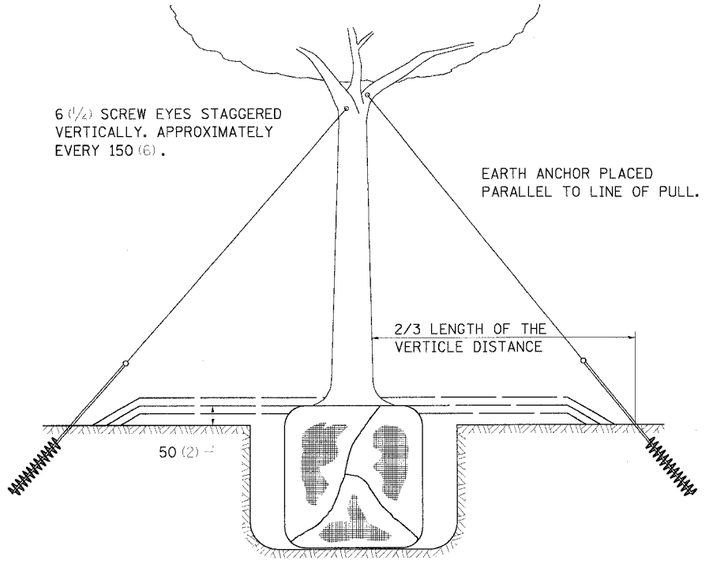
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (Cu. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2½)BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2½-3)BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3½) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3½-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4½) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4½-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5½) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)



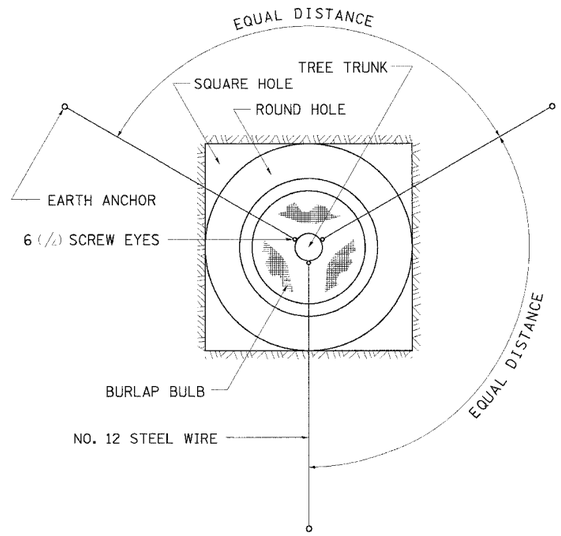


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 115 (4½) IN DIAMETER



ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PLOT DATE = $DATE$
FILE NAME = $FILEN$
PLOT SCALE = $SCALE$
REFERENCE = REF

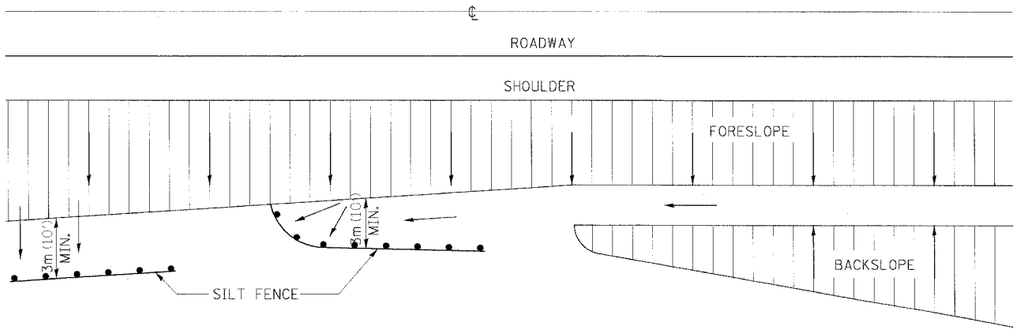
DETAILS OF PLANTING AND BRACING TREES **92.1**

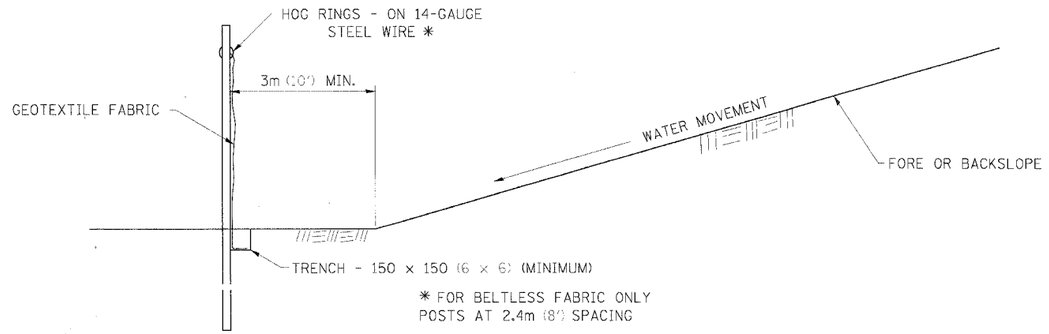
REVISED 10-15-04

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	56
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL DETAILS FOR SILT FENCE





DETAILS OF SILT FENCE

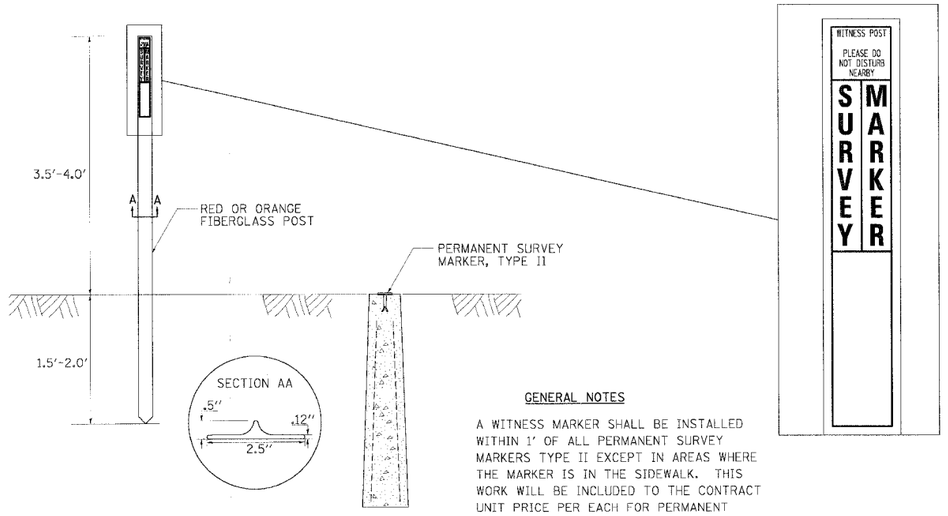
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
REFERENCE = REF

EROSION CONTROL DETAILS FOR SILT FENCE 29.2

REVISED 10-22-01

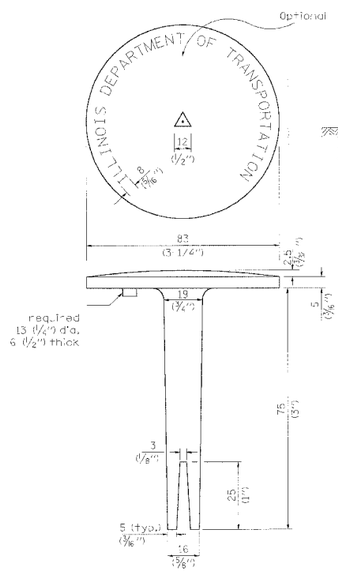
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



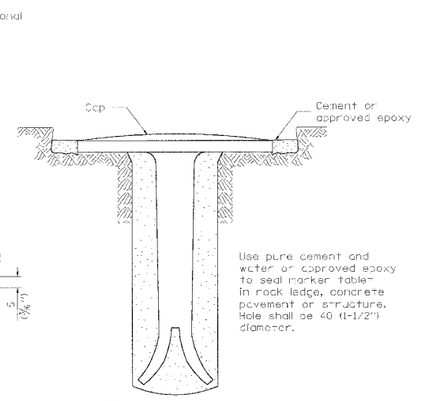
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

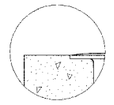
PERMANENT SURVEY MARKERS, TYPE II



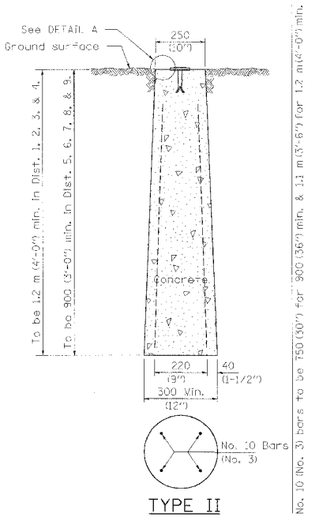
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



TYPE II

CAST-IN-PLACE MARKER

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

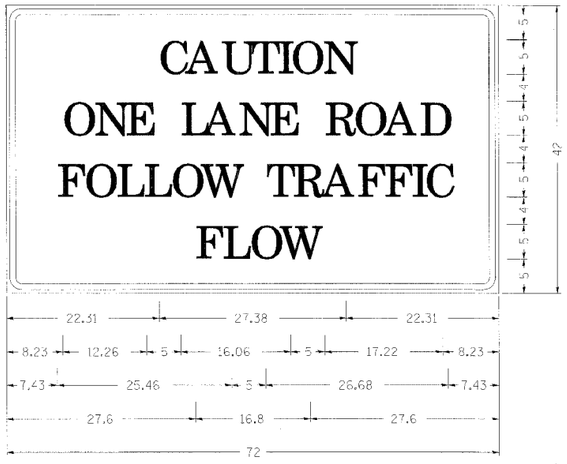
WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II 66.2

REVISED 6-26-06

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	57
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS



Type AA Fluorescent Orange Sheeting ;
2.25" Radius, 0.88" Border, 0.50" Indent, Black on Orange;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

Table Of Widths And Spaces

	C		A		U		T		I		O		N								
22.31	3.36	0.62	4.18	0.94	3.36	0.94	3.04	0.94	0.78	1.17	3.52	1.17	3.36	22.31							
	O		N		E																
8.23	3.51	1.17	3.36	1.18	3.04																
		L		A		N		E													
	5.00	3.05	0.31	4.18	0.94	3.36	1.17	3.05													
		R		O		A		D													
	5.00	3.36	0.93	3.52	0.94	4.18	0.93	3.36	8.23												
	F		O		L		L		O		W										
7.43	3.04	0.94	3.52	1.17	3.04	0.94	3.05	0.94	3.51	0.94	4.37										
		T		R		A		F		F		I		C							
	5.00	3.05	0.94	3.36	0.94	4.18	0.93	3.05	0.94	3.04	0.94	0.78	1.18	3.35	7.43						
	F		L		O		W														
27.60	3.05	0.94	3.04	0.94	3.52	0.93	4.38	27.60													

GENERAL NOTES

THIS SIGN SHALL BE INSTALLED AT ENTRANCES LOCATED BETWEEN THE TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER.

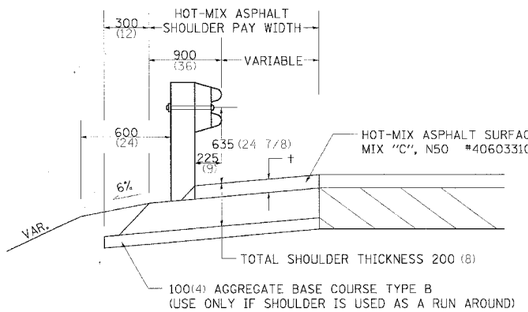
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

THE COST TO FURNISH, INSTALL AND REMOVE THIS SIGN AT THE REQUIRED LOCATIONS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
REFERENCE = REF

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL



† = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

THE HEIGHT OF THE GUARD RAIL SHALL BE SET **525** (21) FROM THE FINISHED SURFACE.

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE METER (SQUARE YARD) FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

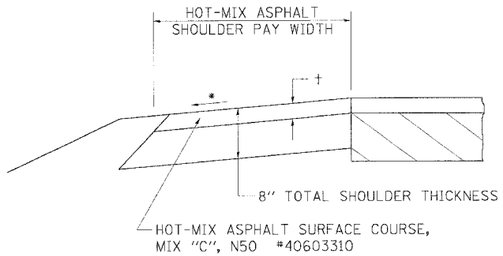
DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARD RAIL 23.4

REVISED 10-06-06

HOT-MIX ASPHALT SHOULDER

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	58
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



† = SEE TYPICAL SECTIONS FOR THICKNESS

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

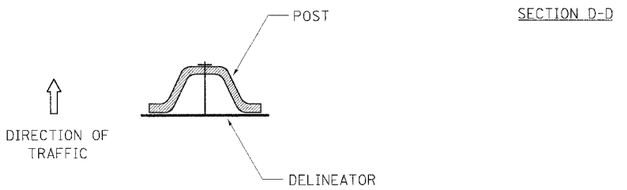
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

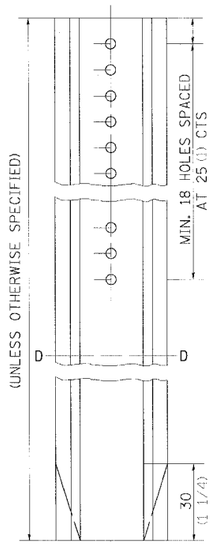
HOT-MIX ASPHALT SHOULDER 23.4a

REVISED 10-06-06

DELINEATOR AND POST ORIENTATION



SECTION D-D



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

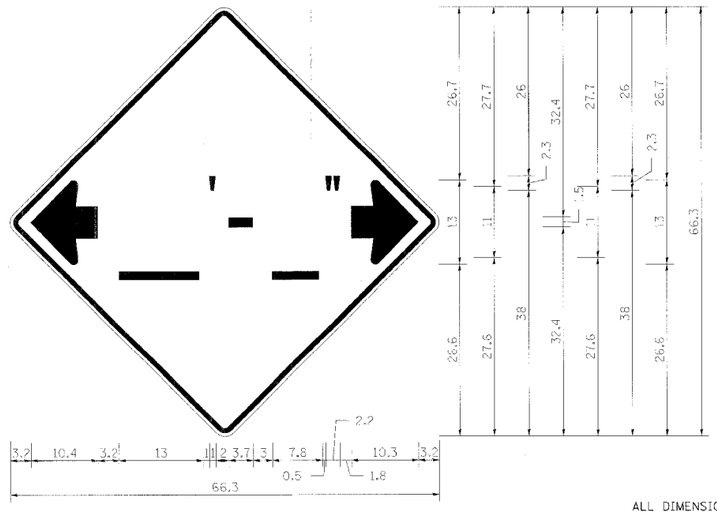
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
REFERENCE = REF

DELINEATOR AND POST ORIENTATION 37.4

REVISED 1-31-00

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES
W12-2 - Horizontal Clearance Sign
48.0" across sides, 1.9" Radius,
0.8" Border, 0.5" Indent, Black on
Orange; Standard Arrow Custom
10.4" X 8.1" 180° Black 11 Inch
D Series Lettering: Standard Arrow
Custom 10.4" X 8.1" 0°

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

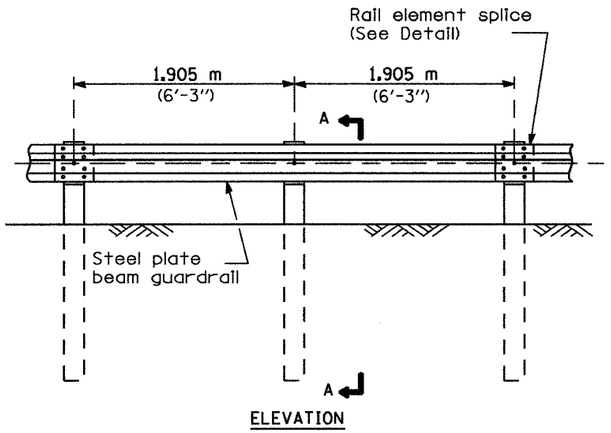
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES) 39.4

REVISED 6-29-05

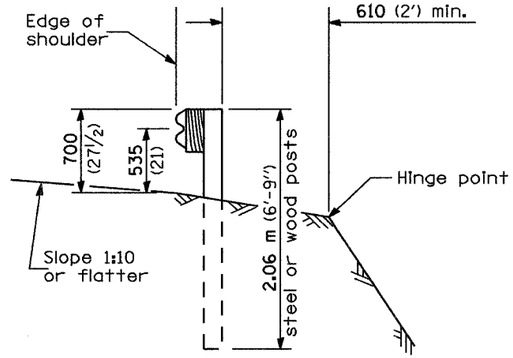
CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON		58A
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

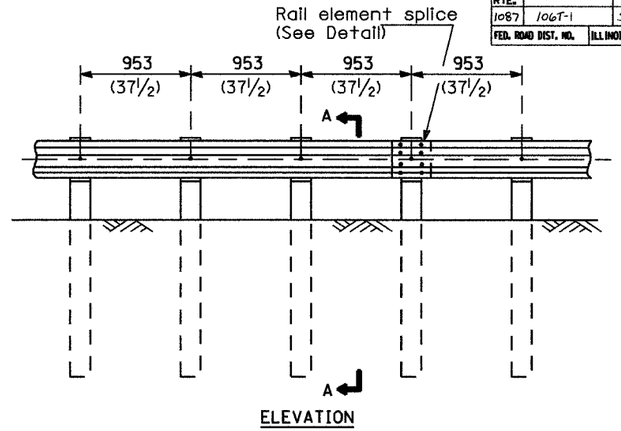


TYPE A

1.905 m (6'-3") Typical post spacing

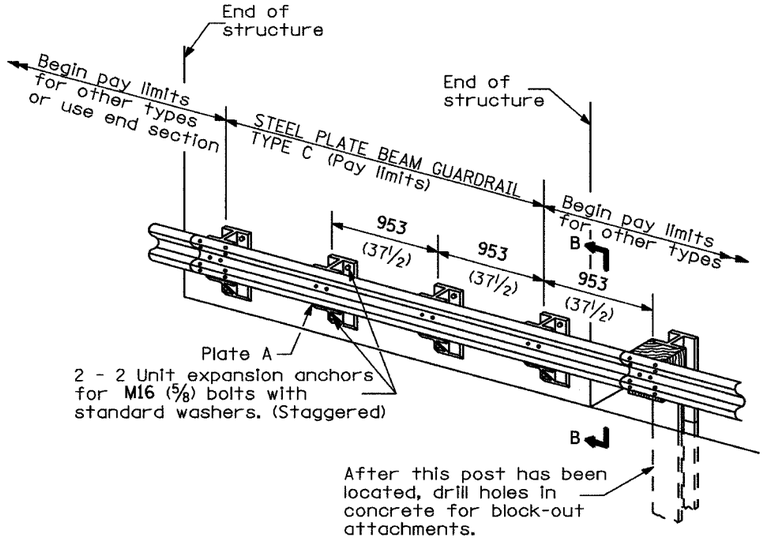


SECTION A-A



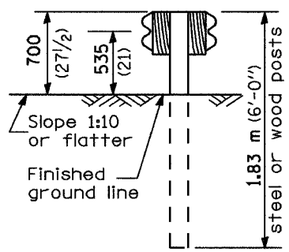
TYPE B

953 (37½) Closed post spacing

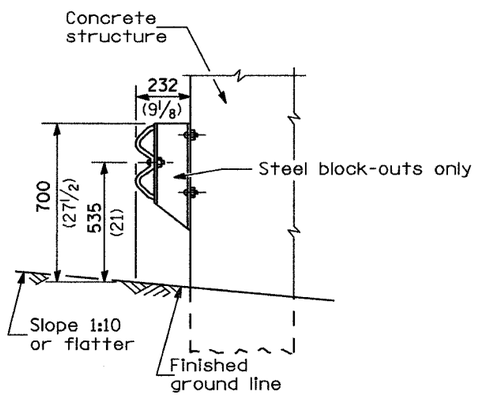


TYPE C

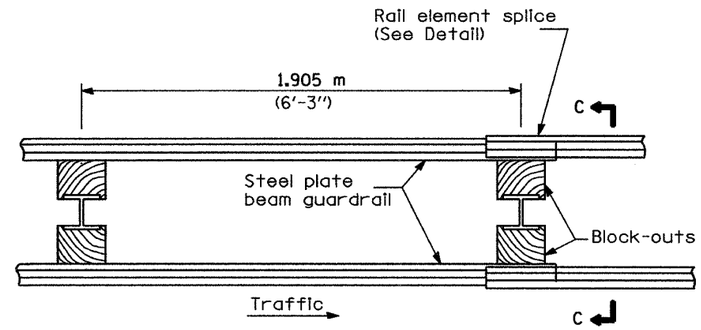
953 (37½) Block-out spacing



SECTION C-C



SECTION B-B



PLAN

TYPE D

Double steel plate beam guardrail
1.905 m (6'-3") typical post spacing

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in millimeters (inches) unless otherwise shown.

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

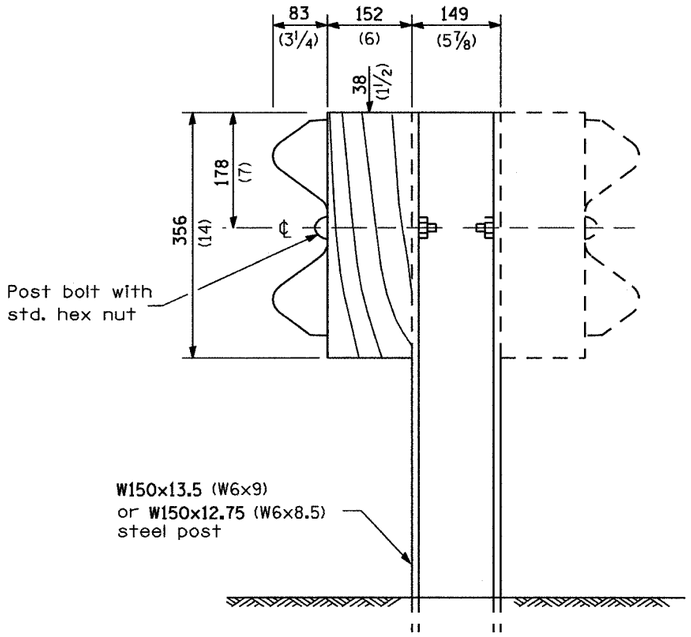
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

(Sheet 1 of 4)

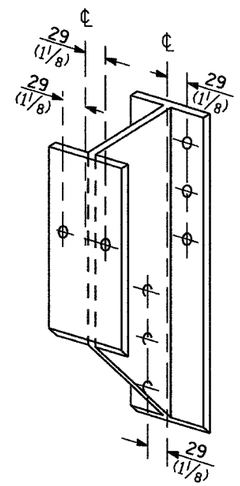
DETAIL

CONTRACT NO. 64C84

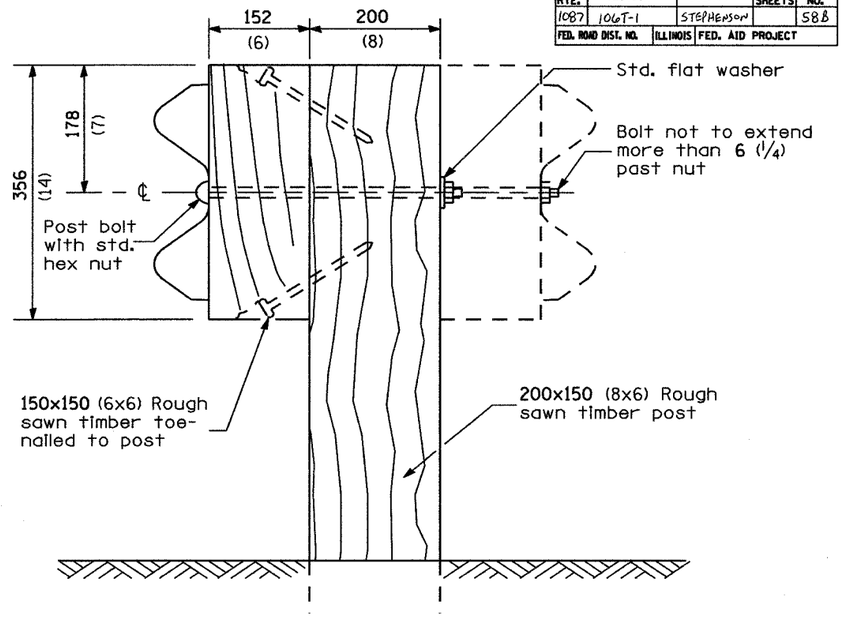
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	1067-1	STEPHENSON		58B
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



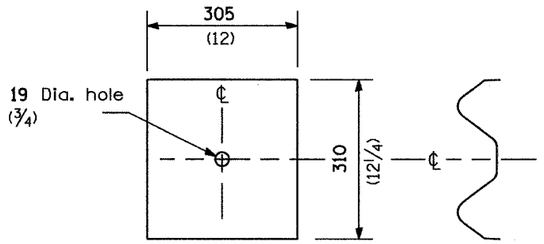
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



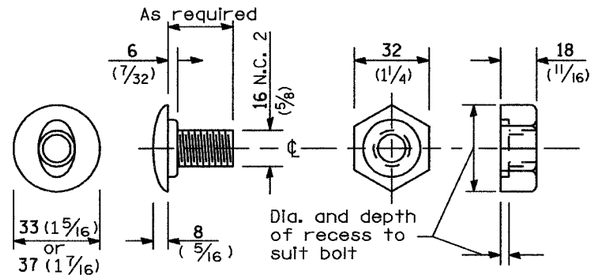
WOOD POST CONSTRUCTION



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



POST OR SPLICE BOLT & NUT

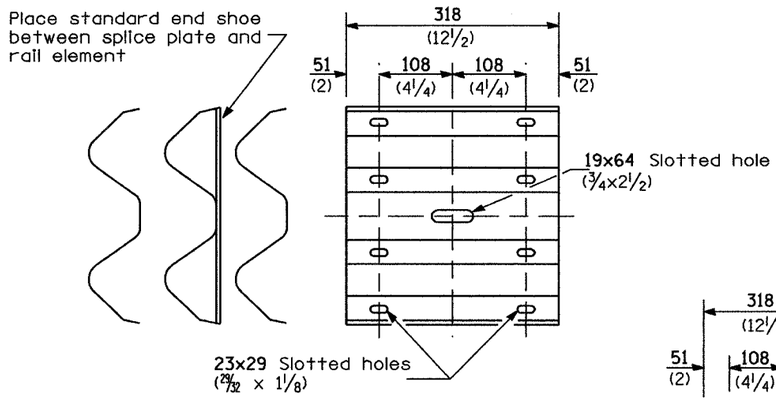
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

(Sheet 2 of 4)

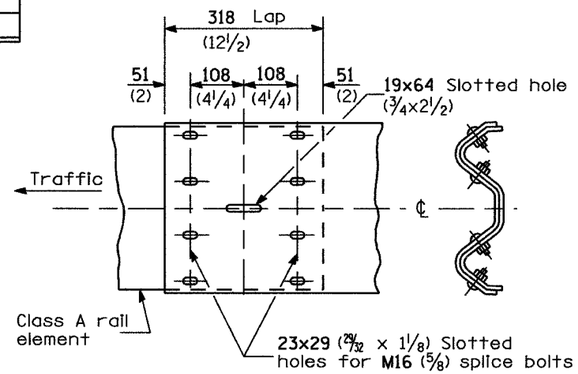
DETAIL

CONTRACT NO. 64C84

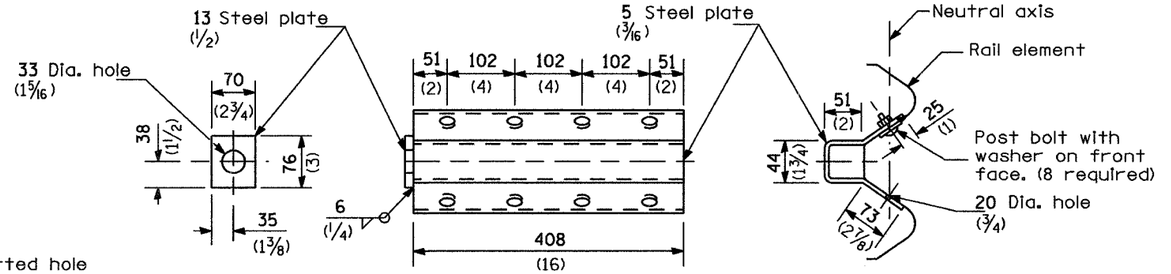
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON		58C
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SPLICE PLATE



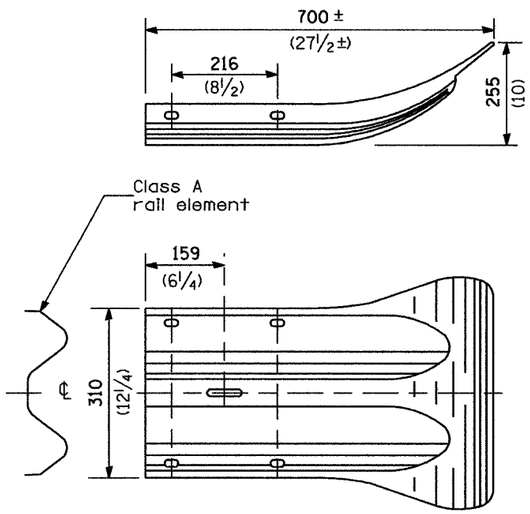
RAIL ELEMENT SPLICE



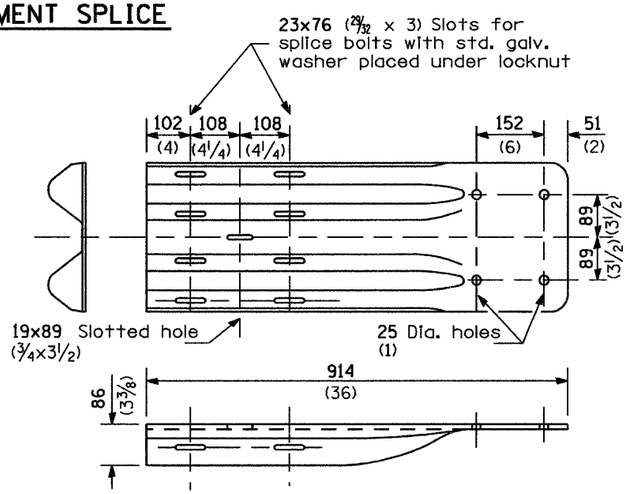
NOTE

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



END SECTION



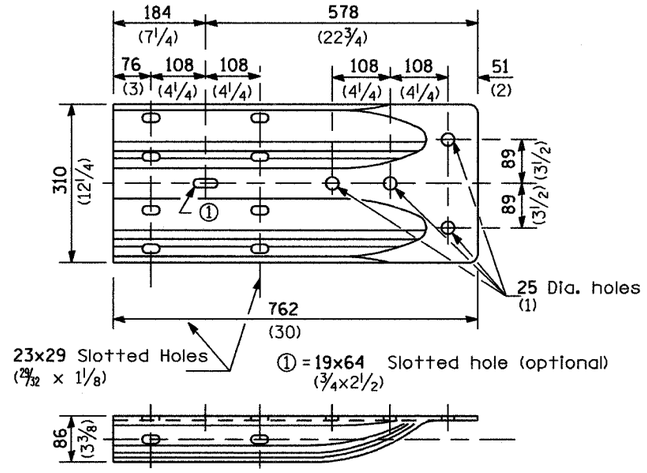
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE



ALTERNATE END SHOE

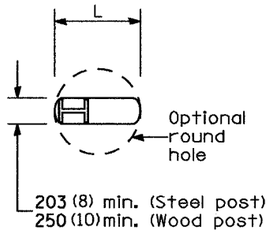
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

(Sheet 3 of 4)

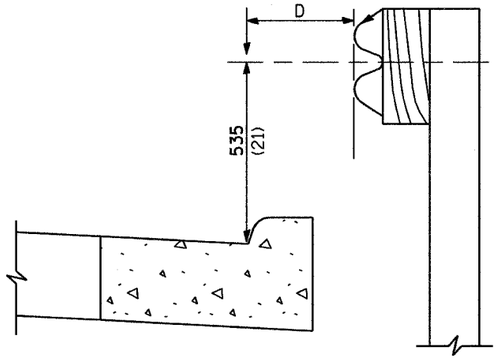
DETAIL

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON		580
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



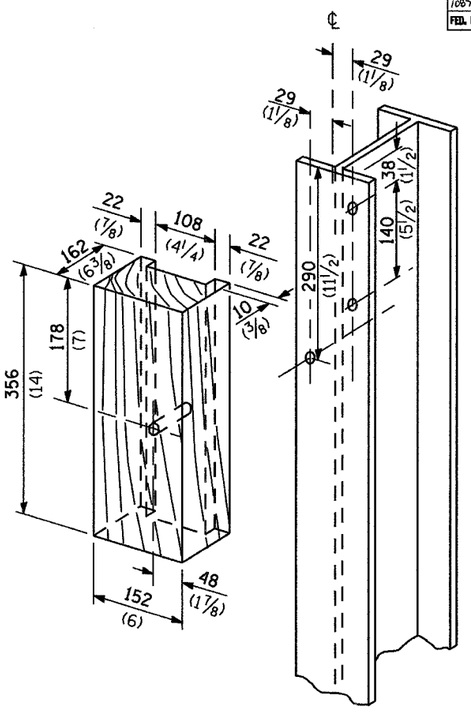
PLAN



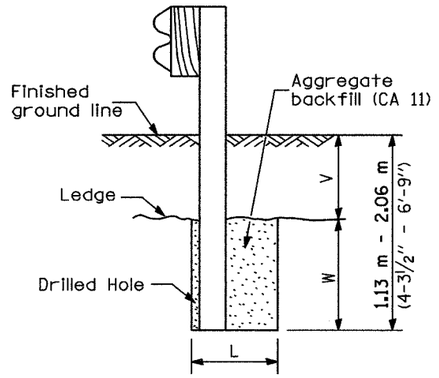
Note:
If it is necessary for D to be more than 300 (12) and less than 3.0 m (10'-0") type M-5 (M-2) curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 300 (12) maximum)



WOOD BLOCK-OUT AND STEEL POST DETAILS

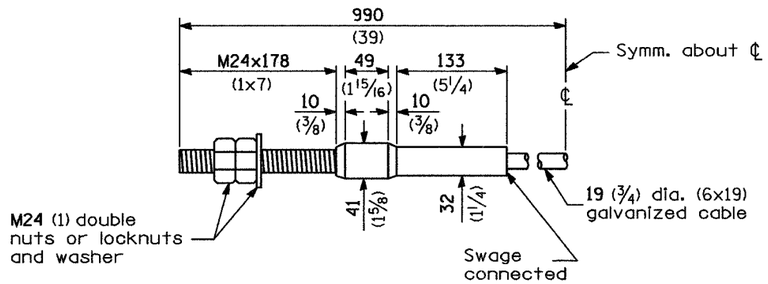


Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

V	W	L	
		Steel Post	Wood Post
0 - 460 (0 - 18)	610 (24)	530 (21)	580 (23)
>460 - 825 (>18 - 41.5)	305 (12)	203 (8)	250 (10)
>825 - 1.13 m (>41.5 - 53.5)	305 - 0 (12 - 0)	203 (8)	250 (10)



CABLE ASSEMBLY

(18,100 kg (40,000 lbs.) min. breaking strength)
Tighten to taut tension.

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

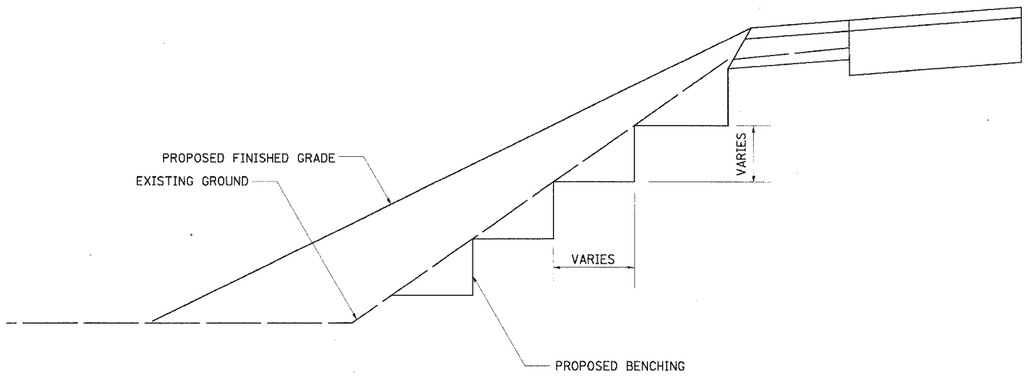
(Sheet 4 of 4)

DETAIL

CONTRACT NO. 64C84

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106I-1	STEPHENSON	78	59
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL BENCHING ON EXISTING EMBANKMENT



TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

REVISED 2-22-06

LETTERING FOR NAME PLATE

STATION
BUILT 200_ BY
STATE OF ILLINOIS
RTE. SEC.
FA PROJECT
LOADING HS 20
STR. NO.

SEE STD. 515001

DESIGNERS NOTE

WHEN USING A DOUBLE BOX CULVERT GET A STRUCTURE NUMBER AND SHOW IT ON THE GENERAL NOTES. IF THE DOUBLE BOX CULVERT IS EQUAL TO OR GREATER THAN 6.1m (20 FTWIDE INCLUDE A PAY ITEM FOR NAME PLATES AND INCLUDE THIS DETAIL IN THE PLANS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

LETTERING FOR NAME PLATE 89.4

REVISED 10-15-04

TREE REPLACEMENT SCHEDULE

CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
A2006514	QUERCUS BICOLOR	SWAMP WHITE OAK	1-3/4 INCH CALIPER	EACH	14
			BALLED AND		
			BURLAPPED		
C2001748	CORNUS SERICEA 'CARDINAL'	CARDINAL REDOSIER	4 FOOT HEIGHT	EACH	15
		DOGWOOD	BALLED AND		
			BURLAPPED		

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
REFERENCE = REF

TREE REPLACEMENT SCHEDULE 90.4

REVISED 8-10-05

STOP LINE SIGN FOR TEMPORARY SIGNALS

SIZE: 600(24) x 600(24)

100(4) CAPITAL LETTERS - BLACK

13(1/2) BORDER - BLACK

WHITE REFLECTIVE - TYPE AP
HIGH INTENSITY PRISMATIC SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

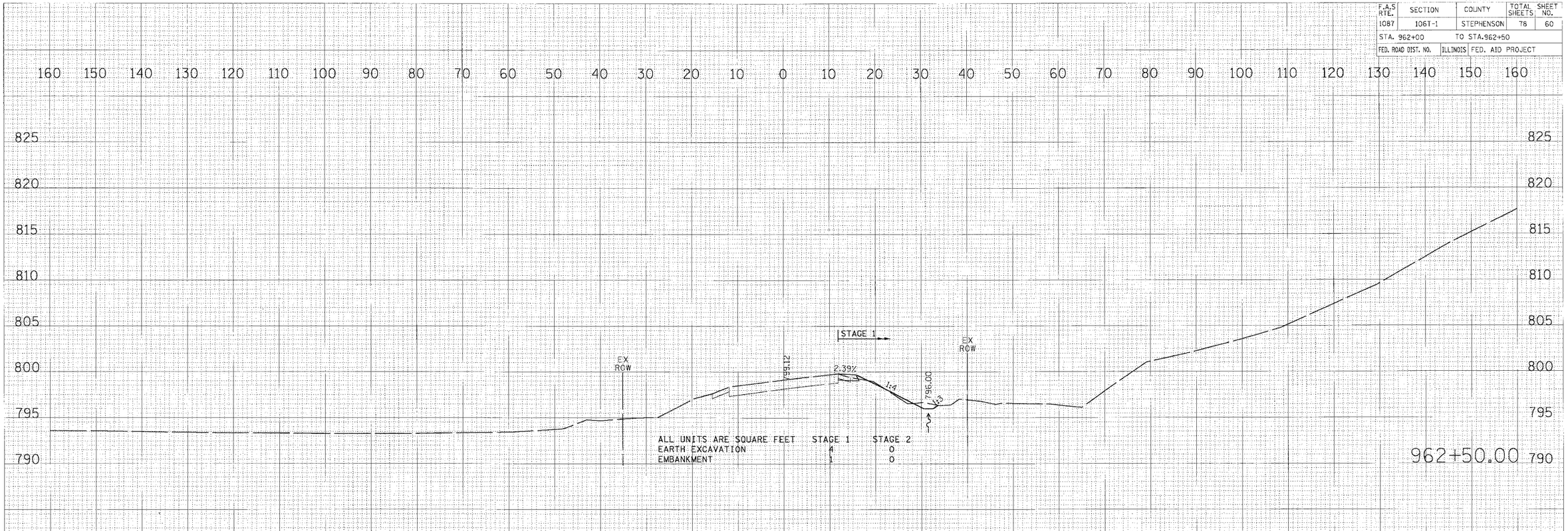
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

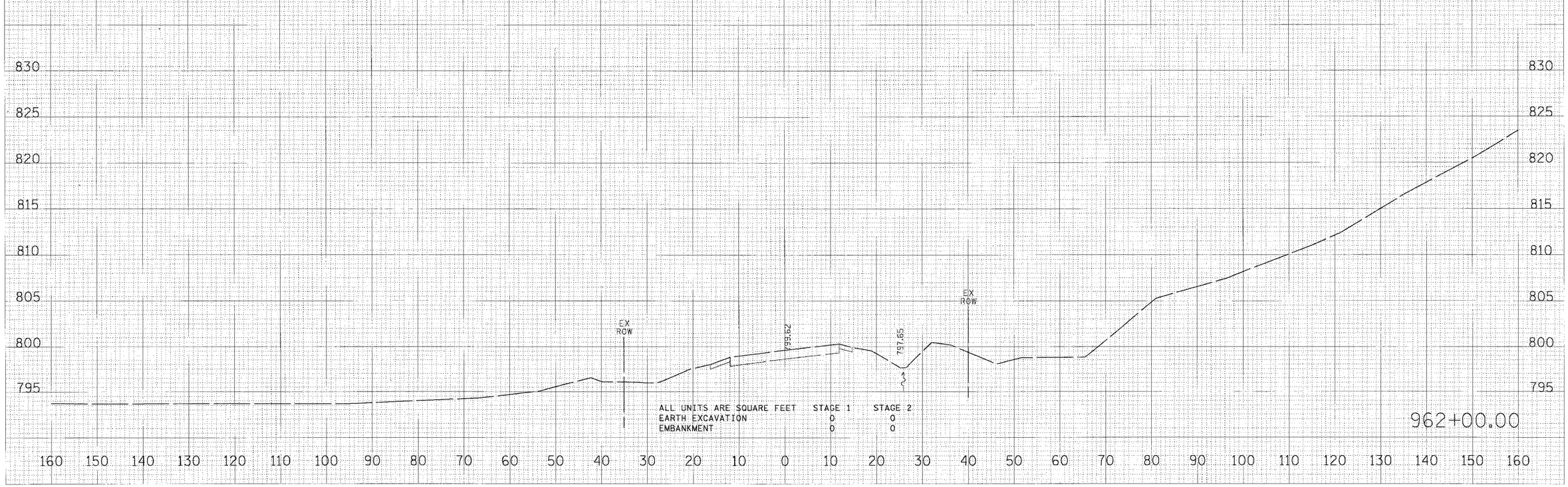
STOP LINE SIGN FOR TEMPORARY SIGNALS 99.4

REVISED 1-22-07

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	60
STA. 962+00		TO STA. 962+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





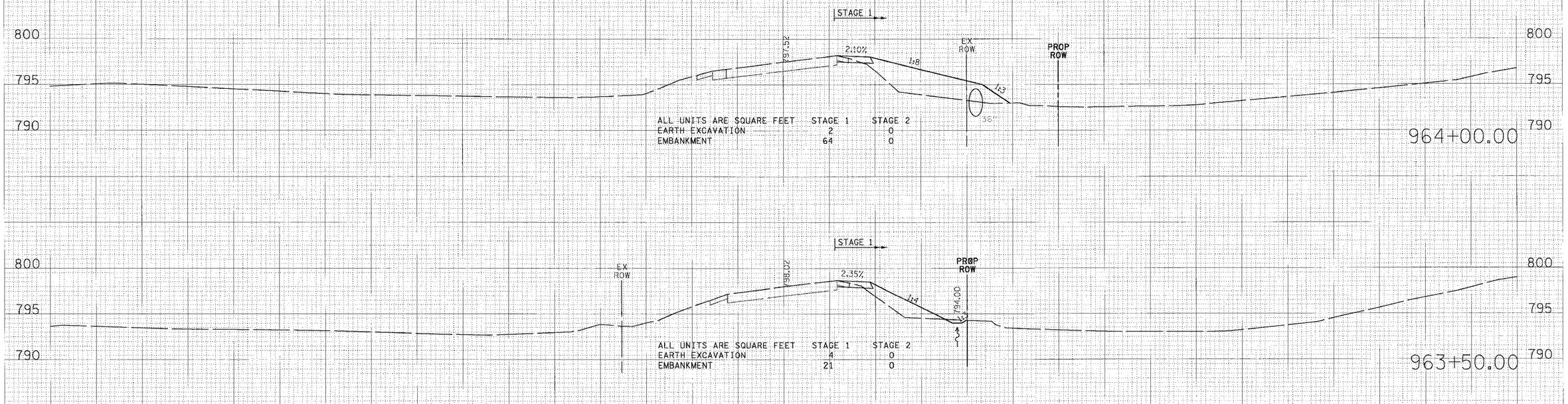
DATE / BY / ORIGINAL SURVEY / SURVEYED / PLOTTED / TRAPEZE / AREAS CHECKED / NOTE BOOK / NO.

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	61
STA. 963+00		TO STA. 964+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

964+00.00



963+50.00

963+00.00

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	62
STA. 964+25.74		TO STA. 965+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

800 795 790

PROP ROW | EX ROW | STAGE 2 | STAGE 1 | EX ROW | PROP ROW

1:3 | 791.29 | 1:4 | 6.54% | 796.61 | 2.41% | 1:4 | 790.52 | 1:3

ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2
EARTH EXCAVATION	16	13
EMBANKMENT	47	4

965+00.00

800 795 790

EX ROW | STAGE 2 | STAGE 1 | EX ROW | PROP ROW

1:3 | 792.20 | 1:4 | 6.53% | 797.05 | 2.16% | 1:8 | 1:3 | 36"

ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2
EARTH EXCAVATION	3	10
EMBANKMENT	65	1

964+50.00

WIRE RD

964+29.60

800 795

797.74

800 795

STAGE 1 | ROW | PROP ROW

797.28 | 2.12% | 9.25 % | 3' x 2' | 36"

FE RT

964+25.74

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FINAL SURVEY — SURVEYED / PLOTTED / TRAPEZ / NOTE BOOK / AREAS CHECKED / NO. / BY / DATE

OPTIONAL SURVEY — SURVEYED / PLOTTED / TRAPEZ / NOTE BOOK / AREAS CHECKED / NO. / BY / DATE

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	63
STA. 965+50	TO STA. 966+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

800
795
790

PROP ROW
EX ROW
STAGE 1
STAGE 2
795.96
4.00%
4.00%
1:4.8
1:4
1:3
788.17

966+50.00

ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2
EARTH EXCAVATION	27	11
EMBANKMENT	42	0

PROP ROW
EX ROW
STAGE 2
STAGE 1
796.06
5.34%
3.10%
1:4
1:3
789.48
789.62

966+00.00

ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2
EARTH EXCAVATION	20	5
EMBANKMENT	50	23

PROP ROW
EX ROW
STAGE 2
STAGE 1
796.22
5.80%
2.73%
1:4
1:3
790.39
790.07

965+50.00

ALL UNITS ARE SQUARE FEET	STAGE 1	STAGE 2
EARTH EXCAVATION	9	13
EMBANKMENT	62	15

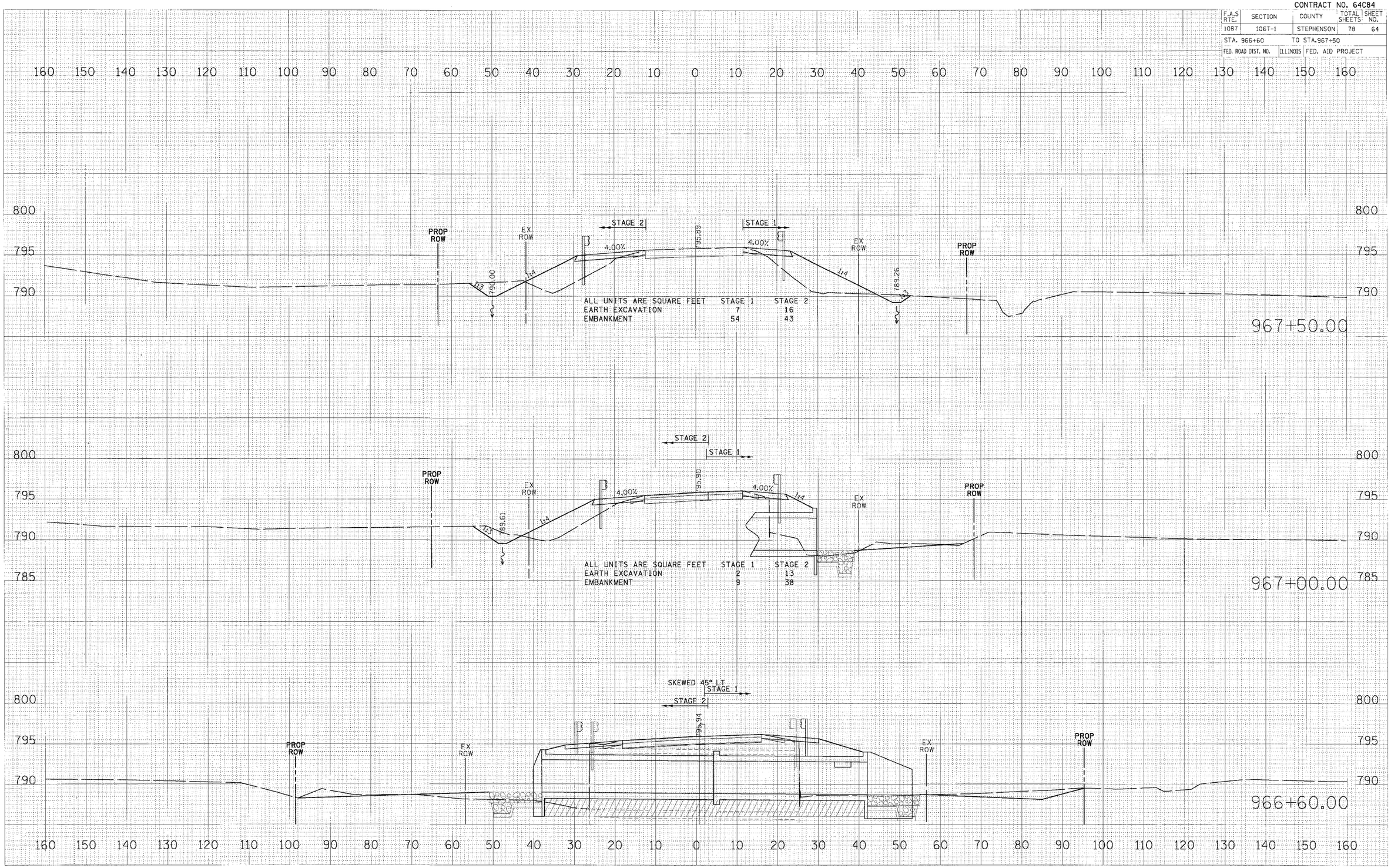
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FINAL SURVEY NOTE BOOK NO. ____ BY ____ DATE ____
SURVEYED ____ PLOTTED ____ CHECKED ____ AREAS CHECKED ____
ORIGINAL SURVEY NOTE BOOK NO. ____ BY ____ DATE ____
SURVEYED ____ PLOTTED ____ COMPUTED ____ AREAS CHECKED ____

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	64
STA. 966+60		TO STA. 967+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

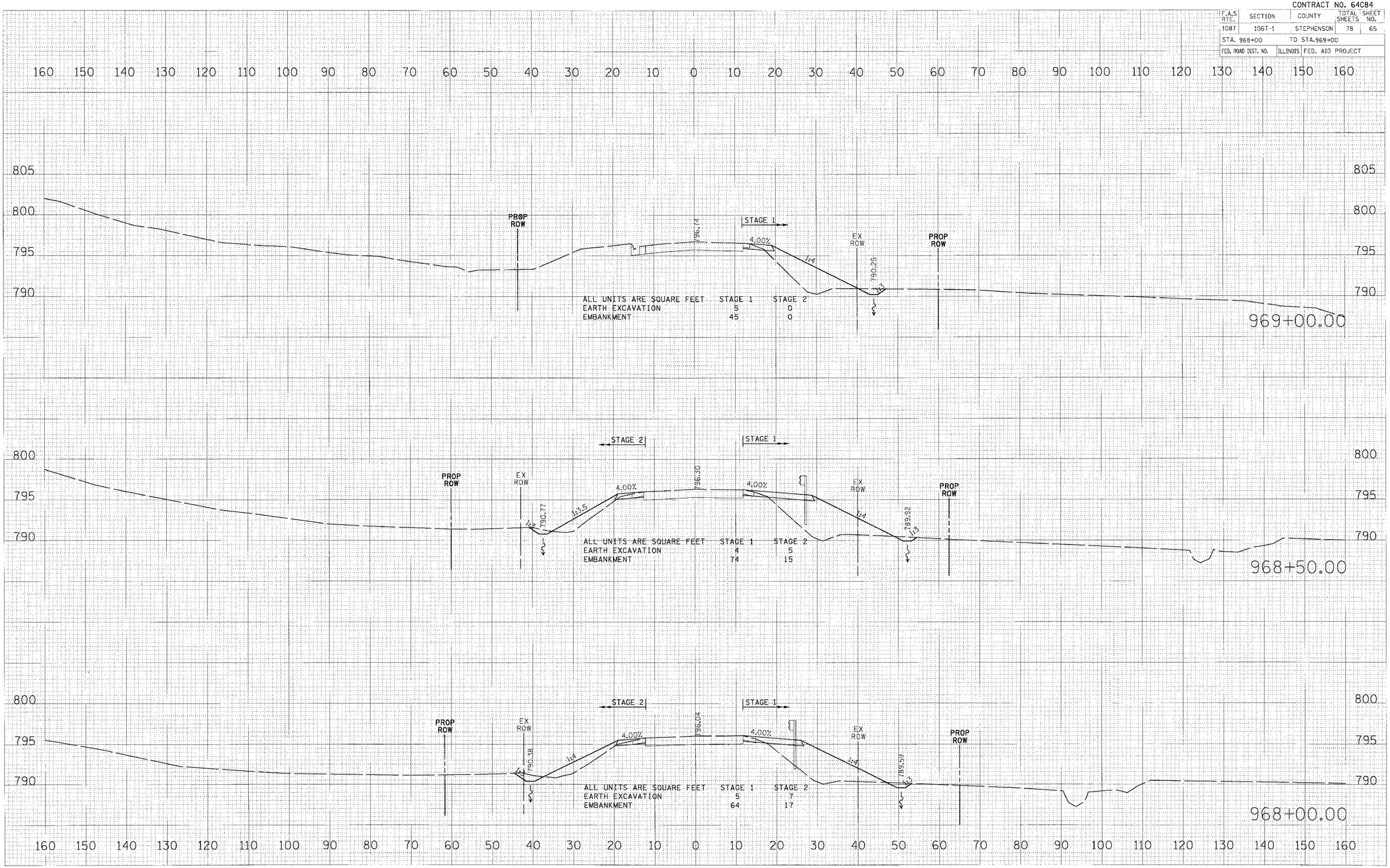


ORIGINAL SURVEY
SURVEYED
PLOTTED
CHECKED
NOTE BOOK
AREAS
AREAS CHECKED
BY
DATE
NO.

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	65
STA. 968+00	TO STA. 969+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ORIGINAL SURVEY? SURVEYED PLOTTED ITEM PLATE NOTE BOOK AREAS AREAS CHECKED NO. BY DATE

FINAL SLANTY

PLOT DATE = @DATE@
FILE NAME = @FILE@
PLOT SCALE = @SCALE@
USER NAME = @USER@

CONTRACT NO. 64C84

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1067	1061-T	STEPHENSON	78	66
STA. 969+50.00		TO STA.970+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

810 805 800 795 790

EX ROW

98.00

PROP ROW

ALL UNITS ARE SQUARE FEET STAGE 1 STAGE 2
EARTH EXCAVATION 0 0
EMBANKMENT 0 0

970+00.00

FE LT

969+91.31

STAGE 2

STAGE 1

97.40

4.00%

133.5

EX ROW

PROP ROW

790.58

ALL UNITS ARE SQUARE FEET STAGE 1 STAGE 2
EARTH EXCAVATION 2 0
EMBANKMENT 44 0

969+50.00

FINAL SURVEY
NOTE BOOK

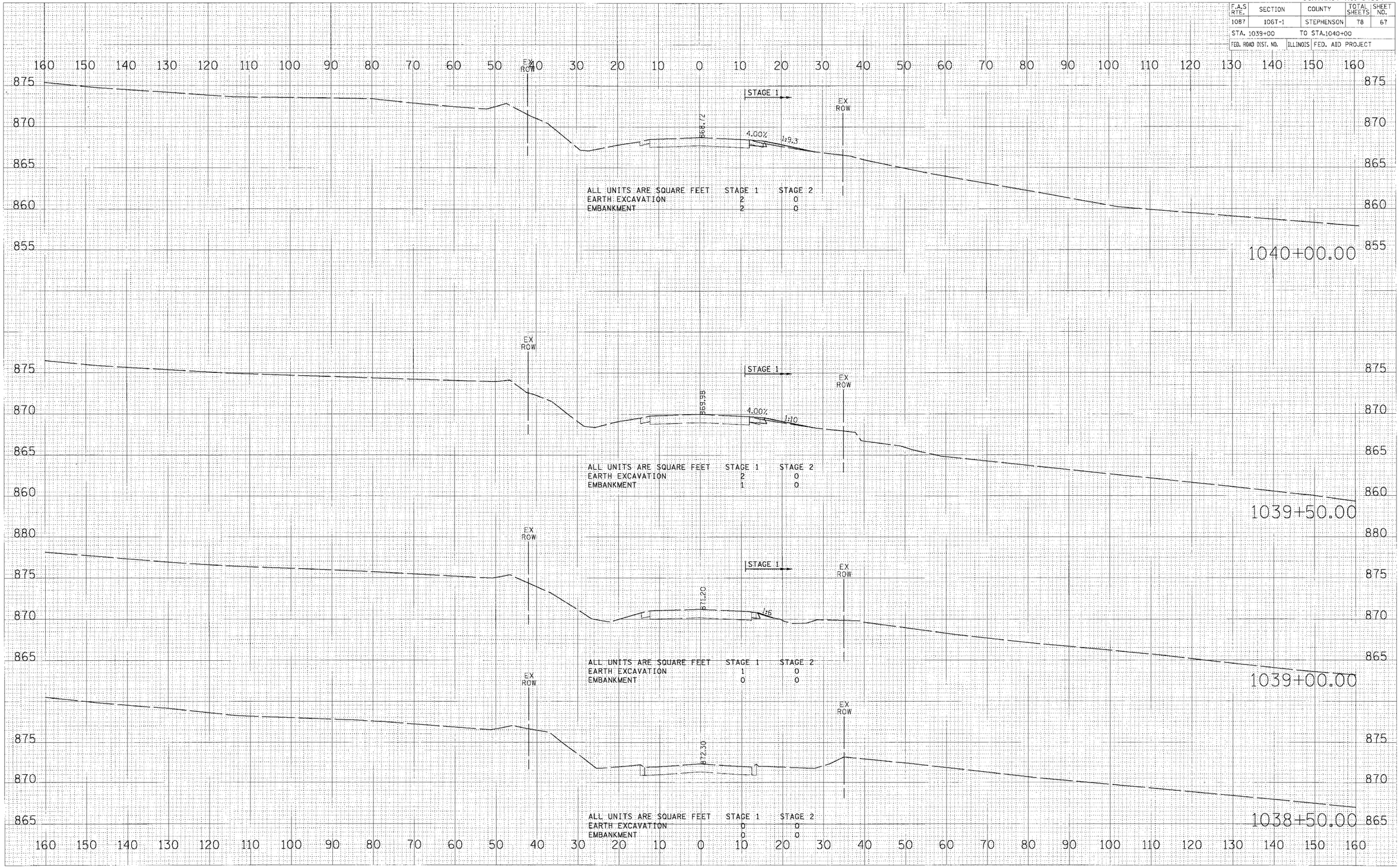
ORIGINAL SURVEY
NOTE BOOK

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	67
STA. 1039+00		TO STA. 1040+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



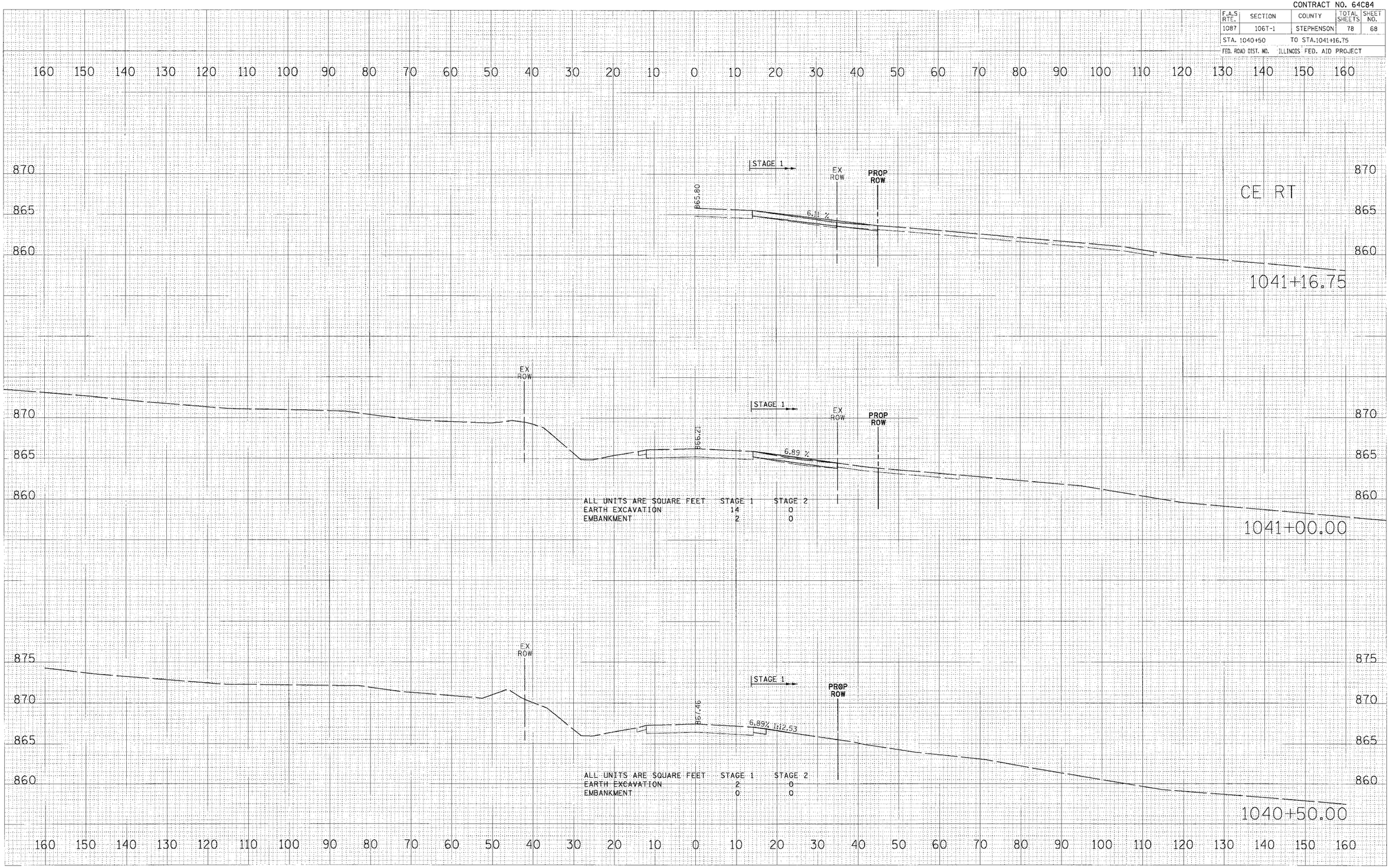
FINAL SURVEY NOTE BOOK NO. DATE
SURVEYED BY
PLOTTED DATE
AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK NO. DATE
SURVEYED BY
PLOTTED DATE
TEMPLATE NAME
AREAS CHECKED

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	68
STA. 1040+50		TO STA.1041+16.75		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



ALL UNITS ARE SQUARE FEET

	STAGE 1	STAGE 2
EARTH EXCAVATION	14	0
EMBANKMENT	2	0

ALL UNITS ARE SQUARE FEET

	STAGE 1	STAGE 2
EARTH EXCAVATION	2	0
EMBANKMENT	0	0

FINAL
SURVEY
NOTE BOOK
NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY DATE

ORIGINAL
SURVEY
NOTE BOOK
NO.

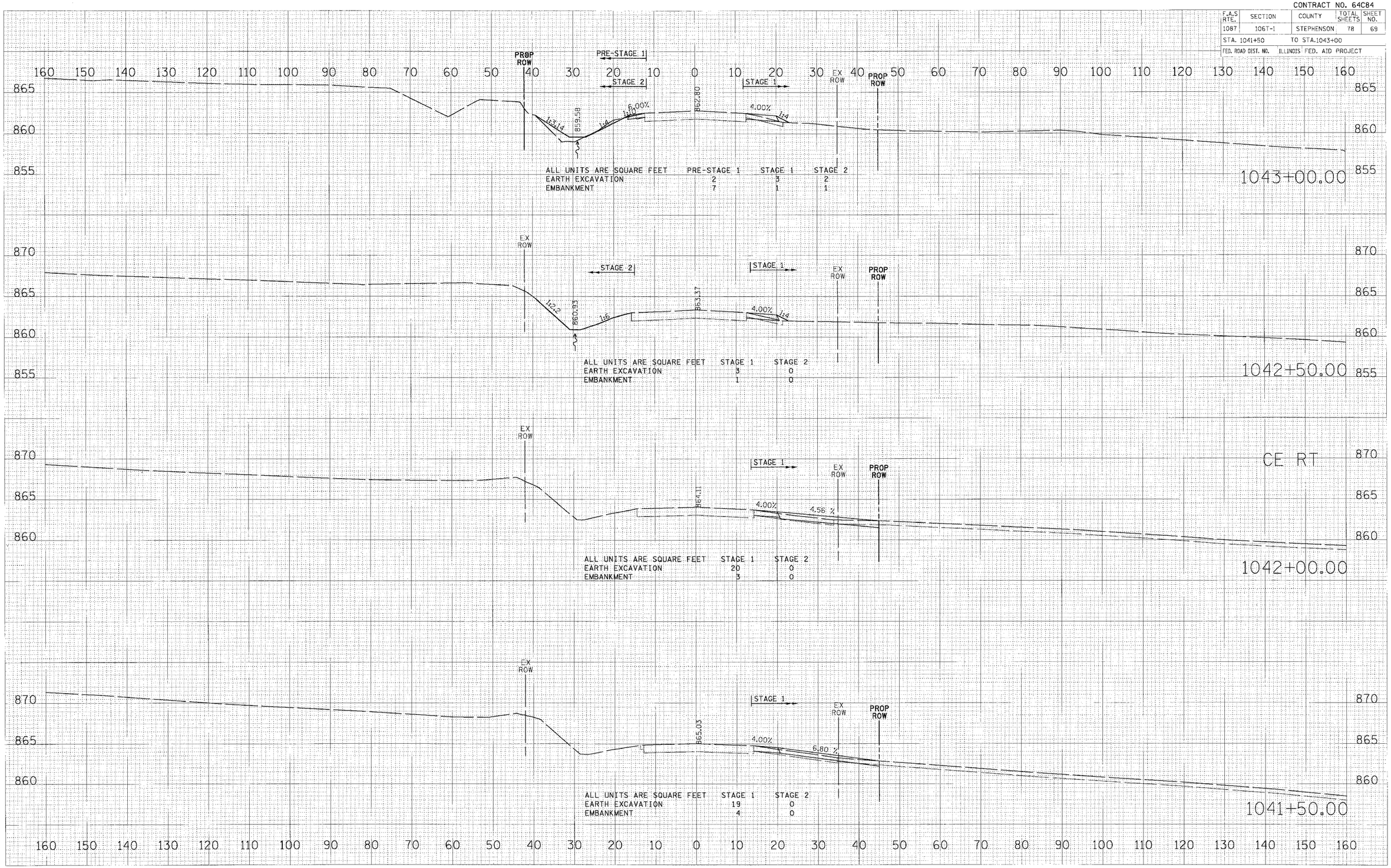
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

BY DATE

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	69
STA. 1041+50		TO STA.1043+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY | ORIGINAL SURVEY
SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED
NOTE BOOK
NO.
DATE | BY

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	70
STA. 1043+30.82		TO STA.1043+61.35		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FE LT

865

PROP ROW

EX ROW

STAGE 2

PRE-STAGE 1

862.60

1:3

857.56

0

1:4

1043+61.35

865

PROP ROW

EX ROW

PRE-STAGE 1

STAGE 2

862.64

1.83 %

1:3

857.93

0

1:4

STAGE 1

4.00%

EX ROW

1:4

PROP ROW

FE LT

865

860

855

1043+50.00

ALL UNITS ARE SQUARE FEET	PRE-STAGE 1	STAGE 1	STAGE 2
EARTH EXCAVATION	68	3	21
EMBANKMENT	0	5	52

STAGE 1

862.10

4.00%

EX ROW

8.05 %

PROP ROW

PE RT

865

860

855

1043+30.82

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

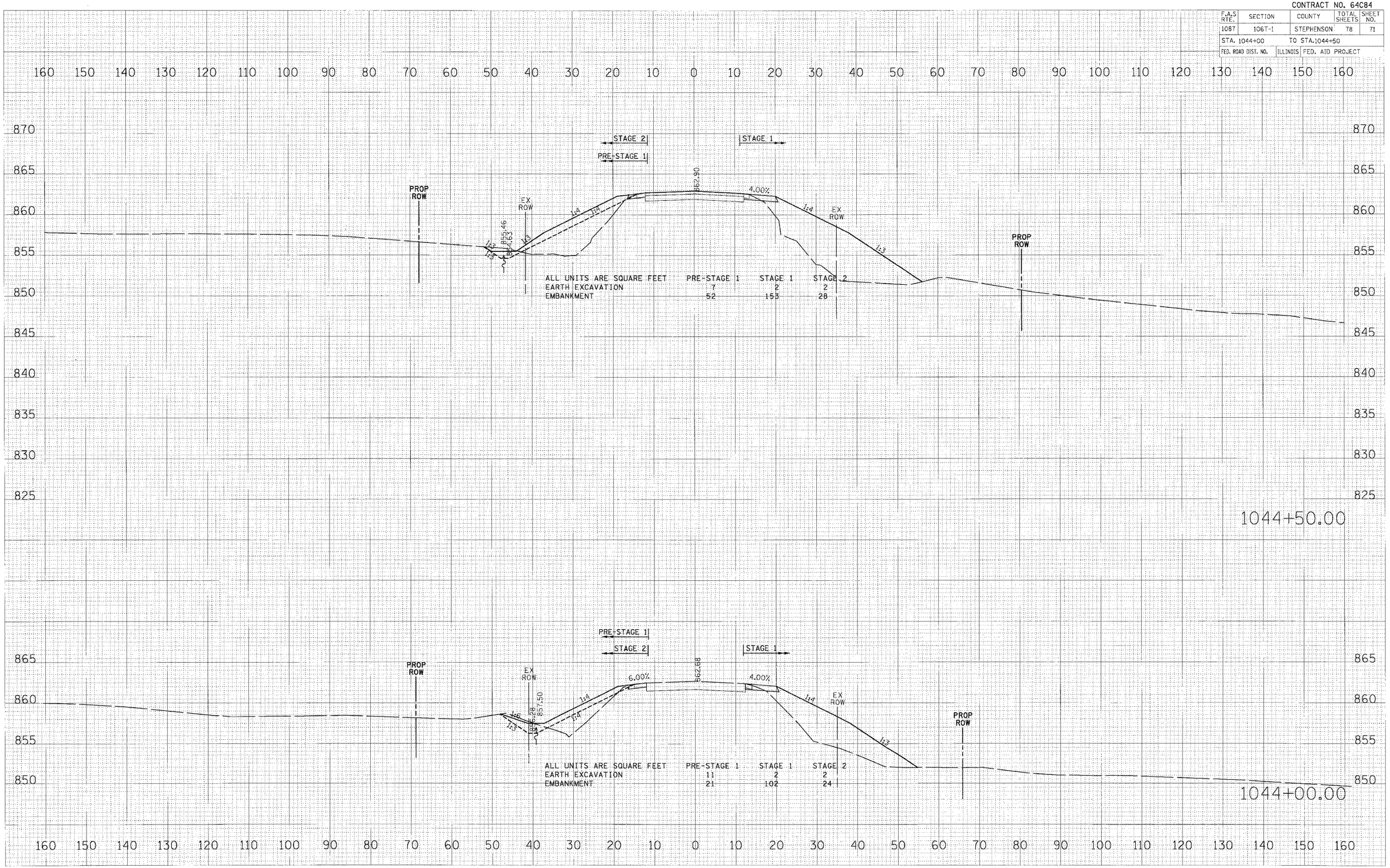
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, NO., AREAS CHECKED, BY, DATE

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, NO., AREAS CHECKED, BY, DATE

PLOT DATE = $DATE$
FILE NAME = $FILES$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	71
STA. 1044+00		TO STA. 1044+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



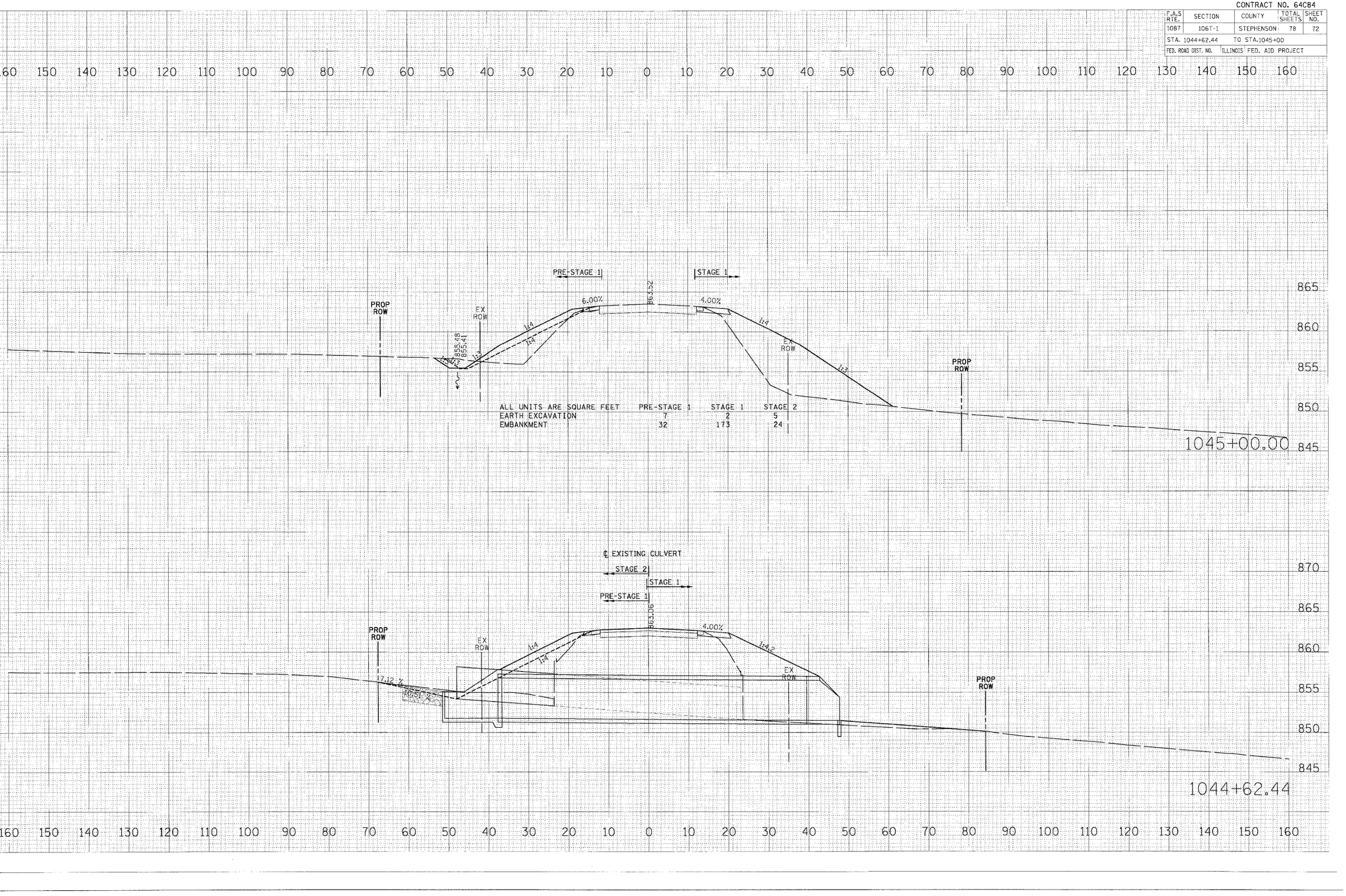
FINAL SURVEY
NOTE BOOK
XS
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	72
STA. 1044+62.44		TO STA.1045+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

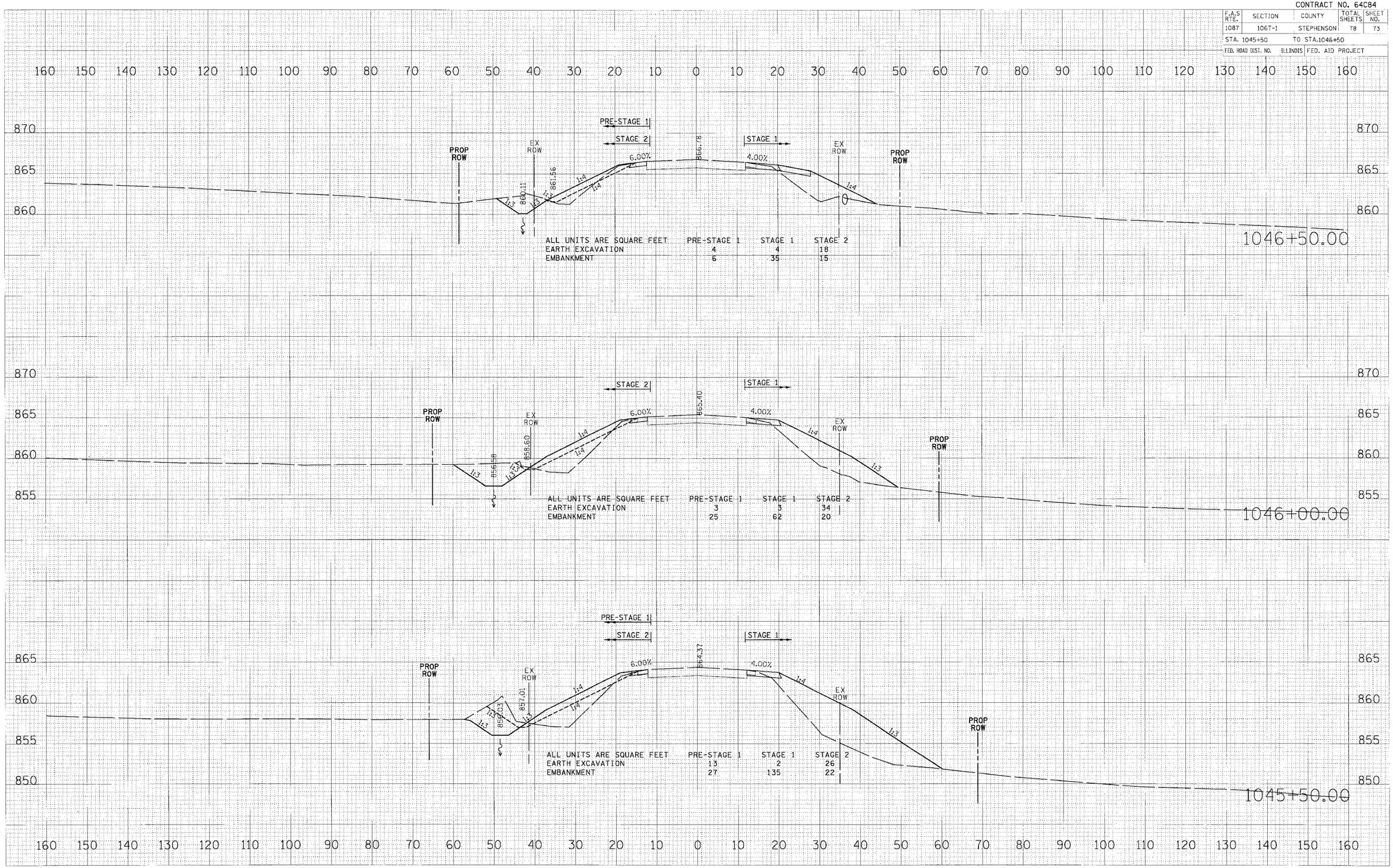


FINAL SURVEY
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
SAMPLE
AREAS
AREAS CHECKED
BY
DATE

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	73
STA. 1045+50		TO STA.1046+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



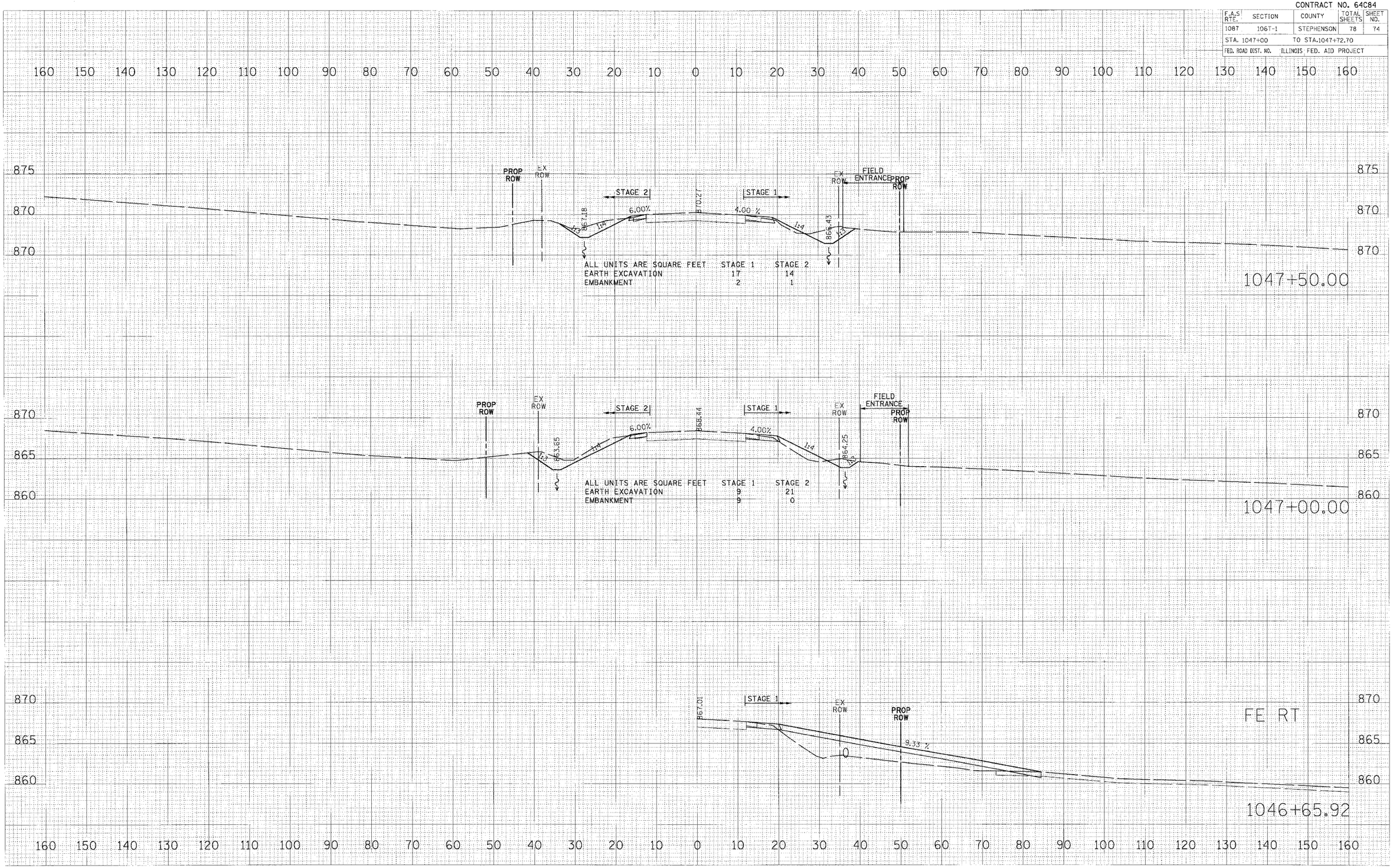
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TRACED
AREAS
AREAS CHECKED
DATE
BY

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TRACED
AREAS
AREAS CHECKED
DATE
BY

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

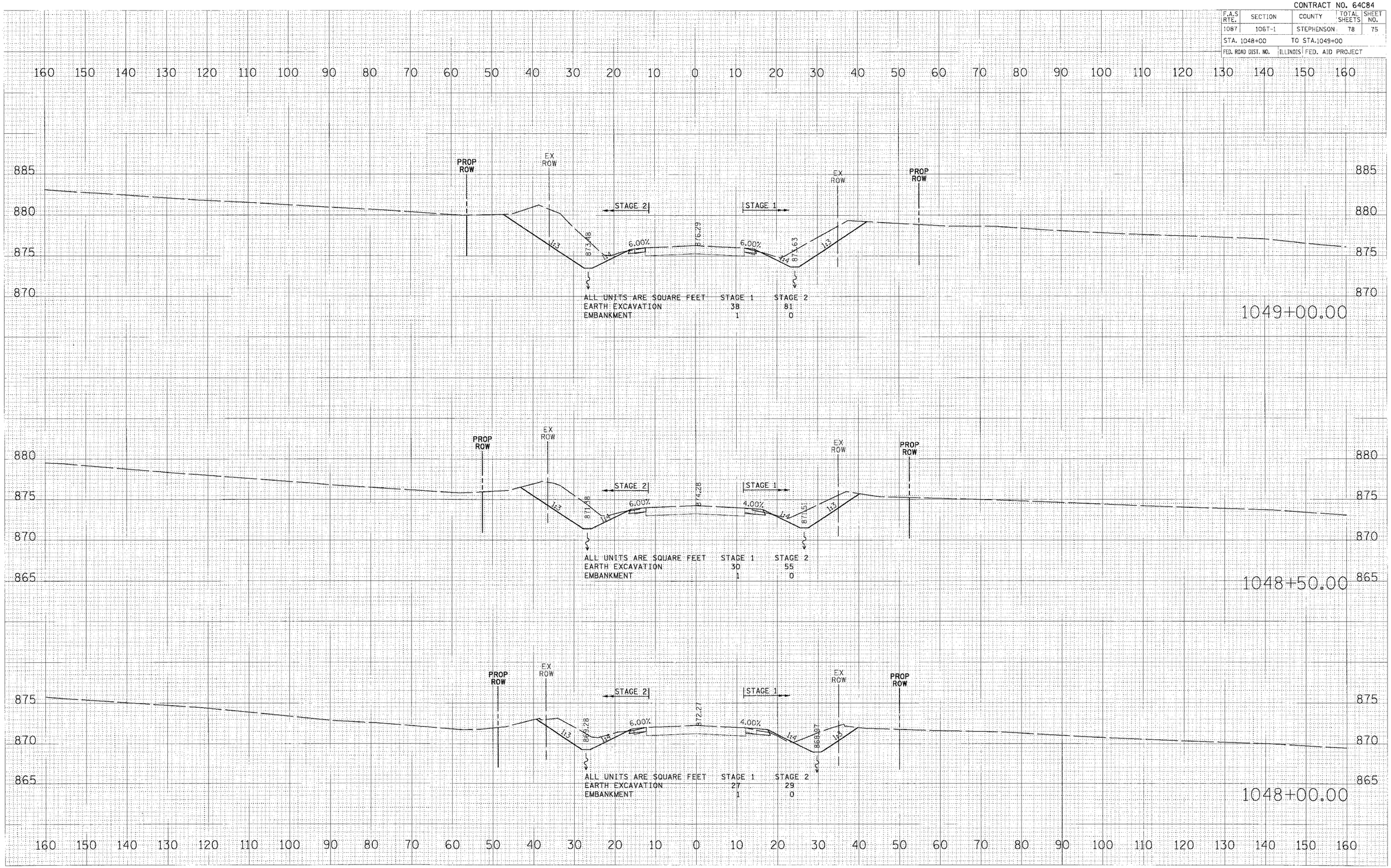
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	74
STA. 1047+00		TO STA. 1047+72.70		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = #DATE$
FILE NAME = #FILE$
PLOT SCALE = #SCALE$
USER NAME = #USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	75
STA. 1048+00		TO STA. 1049+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ORIGINAL SURVEY
NOTE BOOK
NO.

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

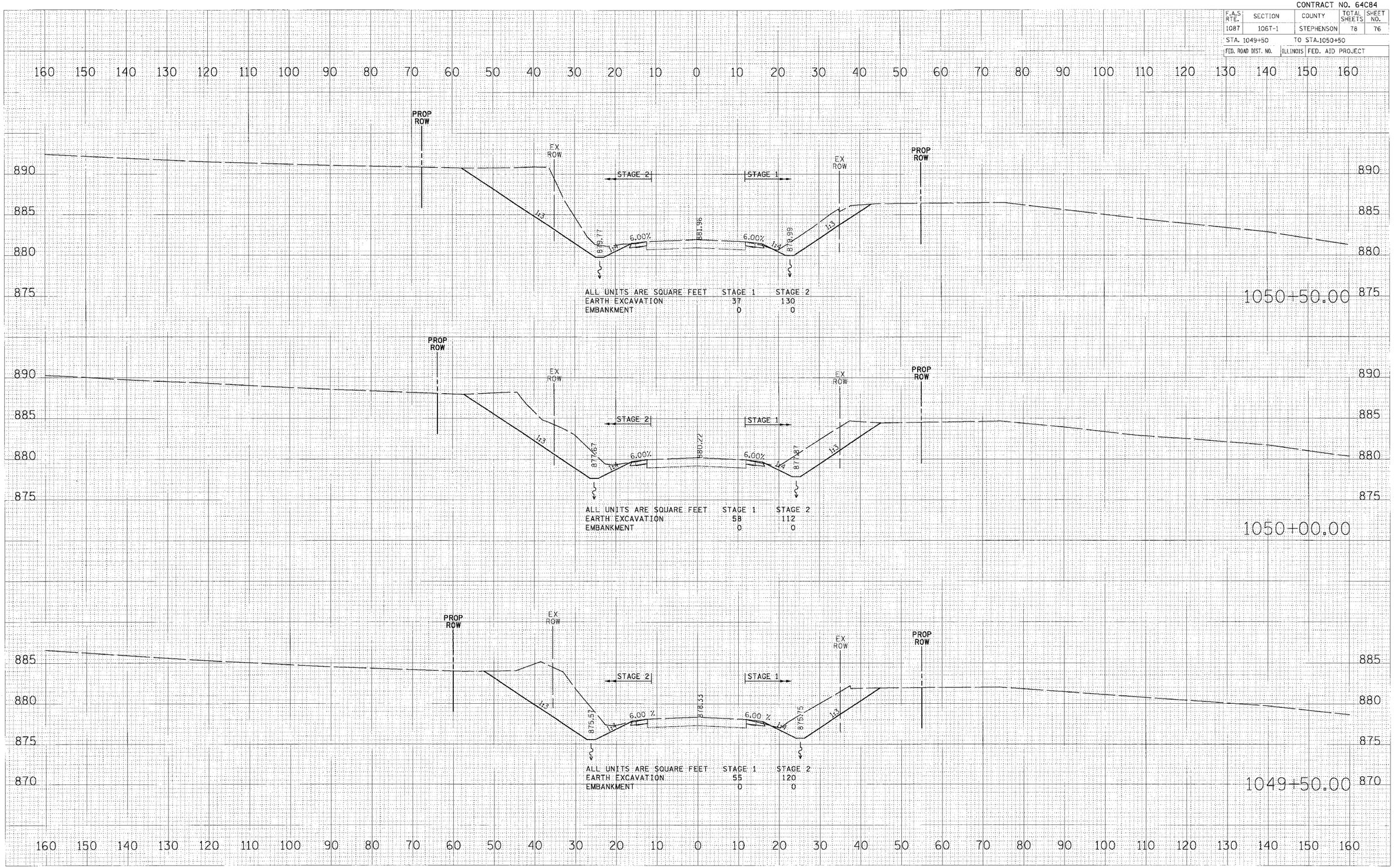
FINAL SURVEY
NOTE BOOK
NO.

DATE
BY

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	76
STA. 1049+50		TO STA.1050+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



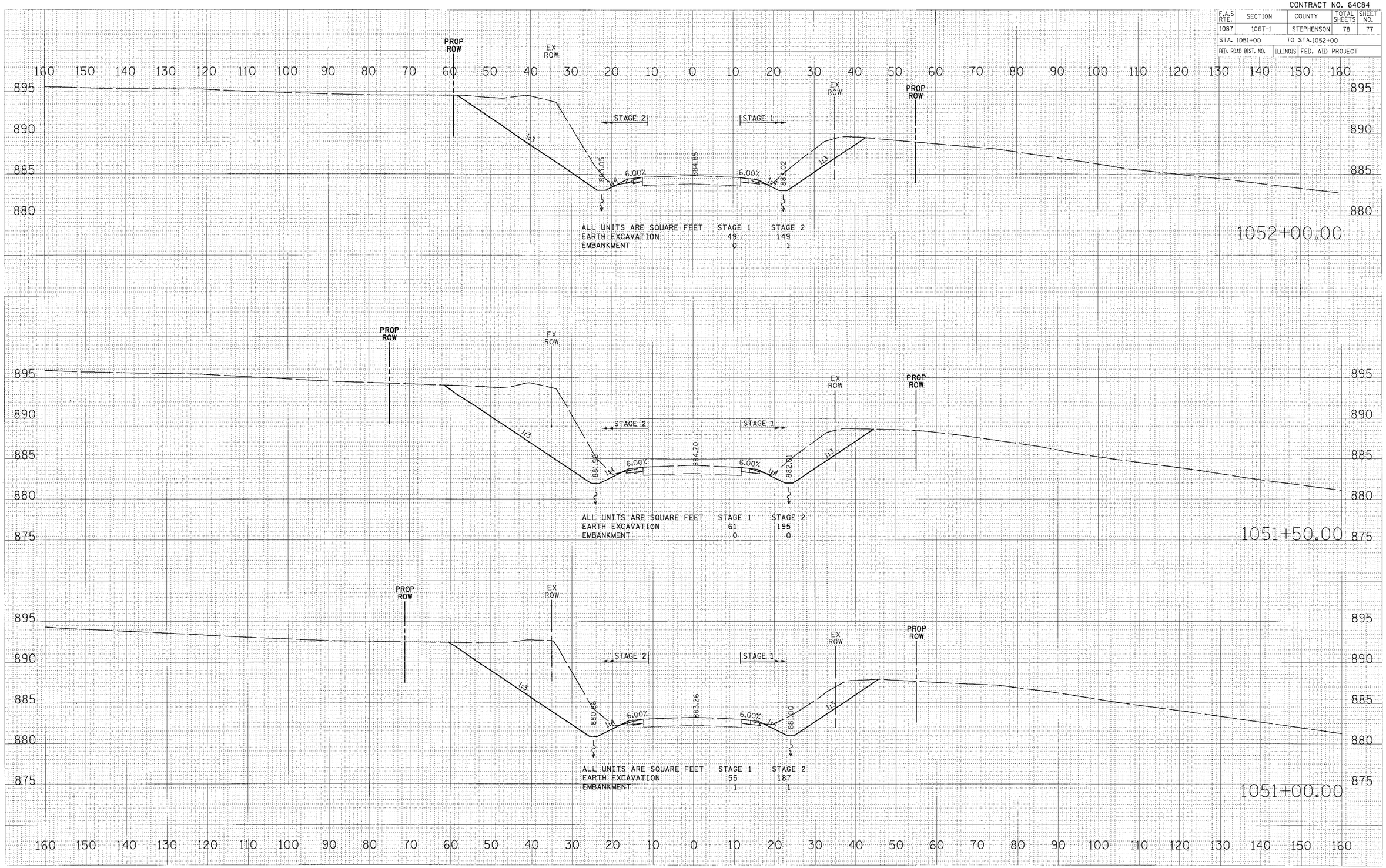
FINAL SURVEY: N. REVISED PLOTTED TEMPLATE AREAS AREAS CHECKED
NO. NOTE BOOK DATE

ORIGINAL SURVEY: SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED
NO. NOTE BOOK BY DATE

PLOT DATE = $DATE$
FILE NAME = $FILEL$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	77
STA. 1051+00		TO STA. 1052+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ORIGINAL SURVEY: SURVEYED, PLOTTED, INPUT, NOTE BOOK, AREAS, NO., BY, DATE, AREAS CHECKED

FINAL SURVEY: SURVEYED, PLOTTED, INPUT, NOTE BOOK, AREAS, NO., BY, DATE, AREAS CHECKED

PLOT DATE = $DATE$
FILE NAME = $FILES$
PLOT SCALE = $$SCALE$
USER NAME = $USER$

CONTRACT NO. 64C84

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1087	106T-1	STEPHENSON	78	78
STA. 1052+50	TO STA.1053+00			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

890
885
880

EX ROW

884.16

884.68

EX ROW

883.83

ALL UNITS ARE SQUARE FEET STAGE 1 STAGE 2
EARTH EXCAVATION 0 0
EMBANKMENT 0 0

1053+00.00

PROP ROW

EX ROW

EX ROW

PROP ROW

STAGE 2

STAGE 1

1:1.5

884.11

1:1.5

884.36

884.03

1:0.84

1:2.6

ALL UNITS ARE SQUARE FEET STAGE 1 STAGE 2
EARTH EXCAVATION 2 1
EMBANKMENT 0 0

1052+50.00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

FINAL SURVEY
NO.
VOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NO.
VOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

PLOT DATE = $DATE$
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$